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NEWS 6 MAY 11 KOREAPAT updates resume
NEWS 7 MAY 19 Derwent World Patents Index to be reloaded and enhanced
NEWS 8 MAY 30
                 IPC 8 Rolled-up Core codes added to CA/CAplus and
                  USPATFULL/USPAT2
                  The F-Term thesaurus is now available in CA/CAplus
NEWS 9 MAY 30
                  The first reclassification of IPC codes now complete in
NEWS 10 JUN 02
                  INPADOC
NEWS 11 JUN 26
                  TULSA/TULSA2 reloaded and enhanced with new search and
                  and display fields
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NEWS 15 JUl 19 Coverage of Research Disclosure reinstated in DWPI
NEWS 16 AUG 09 INSPEC enhanced with 1898-1968 archive
NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT
               MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.
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               STN Operating Hours Plus Help Desk Availability
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               Welcome Banner and News Items
NEWS IPC8
               For general information regarding STN implementation of IPC 8
NEWS X25
               X.25 communication option no longer available
```

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FILE 'HOME' ENTERED AT 12:39:33 ON 28 AUG 2006

=> file reg COST IN U.S. DOLLARS

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FULL ESTIMATED COST

0.21 0.21

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http://www.cas.org/ONLINE/UG/regprops.html

=>

Uploading C:\Program Files\Stnexp\Queries\10519031NEW8.str

chain nodes :

7 8 15 16 17 18 19 20 21 22 23 24 25 26 39 40 41 42 43 44 45 46 47 52 54 55 58 60 61 62 63 64 65 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119

```
ring nodes :
1 2 3 4 5 6 9 10 11 12 13 14 27 28 29 30 31 32 33 34 35 36 37
 38 56 57 59 66 67 68 69 70 71 72 73 74 75 76 77
90 91 92 93 94 95 96 97 98 99 100 101 102 103 104
 38 56 57 59 66 67 68 69
                                                                  77 78 79 87 88 89
chain bonds :
2-24 5-7 6-15 7-8 8-9 10-16 12-23 15-18 15-19 15-21 16-17 16-20 16-22
23-26 23-28 24-25 24-27 30-39 32-44 35-45 37-40 39-41 39-42 40-43 40-52 46-47 54-60 54-61 55-62 55-63 58-64 58-65 88-117 89-108 90-107 91-106
92-105 94-109 95-118 96-112 97-111 98-110 100-116 101-115 102-119 103-114
104-113
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 9-10 9-14 10-11 11-12 12-13 13-14 27-29 27-33
28-34 28-38 29-30 30-31 31-32 32-33 34-35 35-36 36-37 37-38 56-66 56-70
57-71 57-75 59-76 59-79 66-67 67-68 68-69 69-70 71-72 72-73 73-74
                                                                                  74-75
76-77 77-78 78-79 87-88 87-92 88-89 89-90 90-91 91-92 93-94 93-98 94-95
95-96 96-97 97-98 99-100 99-104 100-101 101-102 102-103 103-104
exact/norm bonds :
2-24 6-15 10-16 12-23 15-18 15-19 15-21 16-17 16-20 16-22 23-28 24-27
30-39 32-44 35-45 37-40 39-41 40-52 46-47 55-63 56-66 56-70 57-71 57-75
58-64 58-65 59-76 59-79 66-67 67-68 68-69 69-70 71-72 72-73 73-74 74-75
76-77 77-78 78-79 88-117 95-118 102-119
exact bonds :
5-7 7-8 8-9 23-26 24-25 39-42 40-43 54-60 54-61 55-62 89-108 90-107
91-106 92-105 94-109 96-112 97-111 98-110 100-116 101-115 103-114 104-113
normalized bonds :
1-2 \quad 1-6 \quad 2-3 \quad 3-4 \quad 4-5 \quad 5-6 \quad 9-10 \quad 9-14 \quad 10-11 \quad 11-12 \quad 12-13 \quad 13-14 \quad 27-29 \quad 27-33
28-34 28-38 29-30 30-31 31-32 32-33 34-35 35-36 36-37 37-38 87-88 87-92 88-89 89-90 90-91 91-92 93-94 93-98 94-95 95-96 96-97 97-98 99-100
99-104 100-101 101-102 102-103 103-104
isolated ring systems :
containing 1 : 9 :
G1:H,Ak,[*1]
G2: [*2], [*3], [*4], [*5], [*6], [*7]
G3: [*8], [*9], [*10]
Match level:
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS
27:Atom 28:Atom 29:Atom 30:Atom 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom
36:Atom 37:Atom 38:Atom 39:CLASS 40:CLASS 41:Atom 42:CLASS 43:CLASS
44:CLASS 45:CLASS 46:CLASS 47:CLASS 52:Atom 54:CLASS 55:CLASS 56:Atom
57:Atom 58:CLASS 59:Atom 60:CLASS 61:CLASS 62:CLASS 63:CLASS 64:CLASS
65:CLASS 66:Atom 67:Atom 68:Atom 69:Atom 70:Atom 71:Atom 72:Atom 73:Atom 74:Atom 75:Atom 76:Atom 77:Atom 78:Atom 79:Atom 87:CLASS 88:Atom 89:Atom 90:Atom 91:Atom 92:Atom 93:Atom 94:Atom 95:Atom 96:Atom 97:Atom 98:Atom
99:Atom 100:Atom 101:Atom 102:Atom 103:Atom 104:Atom 105:CLASS 106:CLASS
107:CLASS 108:CLASS 109:CLASS 110:CLASS 111:CLASS 112:CLASS 113:CLASS 114:CLASS 115:CLASS 116:CLASS 117:CLASS 118:CLASS 119:CLASS
```

Node 52: Limited C,C6

Element Count:
Node 41: Limited
C,C6

L1STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1

STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s 11 sss sam

SAMPLE SEARCH INITIATED 12:40:26 FILE 'REGISTRY' 171 TO ITERATE

171 ITERATIONS

SAMPLE SCREEN SEARCH COMPLETED -

26 ANSWERS

100.0% PROCESSED SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

> **COMPLETE** BATCH

PROJECTED ITERATIONS:

2636 TO 4204

PROJECTED ANSWERS:

215 TO 825

L2 26 SEA SSS SAM L1

=> dscan

DSCAN IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system. For a list of commands available to you in the current file, enter "HELP COMMANDS" at an arrow prompt (=>).

=> d scan

26 ANSWERS L2 REGISTRY COPYRIGHT 2006 ACS on STN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-IN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, dipotassium salt (9CI)

MF C40 H44 N12 O10 S2 . 2 K

PAGE 1-A

PhNH NH NH CH CH CH
$$\sim$$
 NH N NHPh NHPh HO-CH₂-CH₂-N SO₃H SO₃H N-CH₂-CH₂-OH

— cн₂- он

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):25

L2 26 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-o-anisidino-6-[(2-hydroxypropyl)amino]-s-triazin-2-yl]amino]-, disodium salt (6CI)

MF C40 H44 N12 O10 S2 . 2 Na

PAGE 1-A

MeO_

●2 Na

PAGE 1-B

L2 26 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN L-Aspartic acid, N,N'-[(1E)-1,2-ethenediylbis[(3-sulfo-4,1phenylene)imino[6-(phenylamino)-1,3,5-triazine-4,2-diyl]]]bis-, hexasodium
salt (9CI)

MF C40 H36 N12 O14 S2 . 6 Na

Absolute stereochemistry. Double bond geometry as shown.

PAGE 1-A

●6 Na

PAGE 1-B

_со2н

L2 26 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(phenylamino)-6-(2-propenylamino)-1,3,5-triazin-2-yl]amino]- (9CI)

MF C38 H36 N12 O6 S2

CI COM

 $^{\text{NH}-CH}_{2}-\text{CH} = \text{CH}_{2}$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 26 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[(carboxymethyl)methylamino]-1,3,5-triazine-4,2-diyl]imino]]bis- (9CI)

MF C40 H36 N12 O14 S2

CI COM

PAGE 1-A

PAGE 1-B

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2

26 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(4-IN acetylphenyl)amino]-6-[(2-methoxyethyl)amino]-1,3,5-triazin-2-yl]amino]-(9CI)

MF C42 H44 N12 O10 S2

ĊI COM

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 26 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[isopropyl(D-gluco-2,3,4,5,6-pentahydroxyhexyl)-s-triazin-2-yl]amino]- (8CI)

MF C50 H64 N12 O16 S2

CI COM

PAGE 1-A

PAGE 1-B

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 26 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-

hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI)

MF C36 H36 N12 O8 S2 . 2 Na

CI COM

●2 Na

PAGE 1-B

~ NH- CH2- CH2- OH

L2 26 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

MF C42 H48 N16 O8 S2 . 2 Na

PAGE 1-A

L2 26 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Methanaminium, N,N,N-trimethyl-, salt with 2,2'-(1,2-ethenediyl)bis[5-[[4amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzenesulfonic acid] (2:1)
(9CI)

MF C32 H26 N12 O6 S2 . 2 C4 H12 N

CM 1

CM 2

L2 26 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-amino-3-oxopropyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino], trisodium salt (9CI)

MF C42 H46 N14 O10 S2 . 3 Na

●3 Na

PAGE 1-B

____NHPh

L2 26 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN L-Aspartic acid, N,N'-[(1E)-1,2-ethenediylbis[(3-sulfo-4,1phenylene)imino[6-[(4-acetylphenyl)amino]-1,3,5-triazine-4,2-diyl]]]bis-,
hexasodium salt (9CI)

MF C44 H40 N12 O16 S2 . 6 Na

Absolute stereochemistry.

Double bond geometry as shown.

PAGE 1-A

L2 26 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-aminoethyl)amino]-6-[(4-ethoxyphenyl)amino]-1,3,5-triazin-2-yl]amino]- (9CI)

MF C40 H46 N14 O8 S2

PAGE 1-B

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 26 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[[2-(dimethylamino)ethyl]amino]-1,3,5-triazine-4,2-diyl]imino]]bis-(9CI)

MF C42 H46 N14 O10 S2

CI COM

PAGE 1-A

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 26 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzenesulfonic acid, 5-[[4-amino-6-[(4-methylphenyl)amino]-1,3,5-triazin-2-yl]amino]-2-[2-[4-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]-, trisodium salt (9CI)

MF C33 H30 N12 O6 S2 . 3 Na

●3 Na

PAGE 1-B

_ NH2

L2 26 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[methyl(2-sulfoethyl)amino]-s-triazin-2-yl]amino]- (7CI)

MF C38 H40 N12 O12 S4

CI COM

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2

26 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-IN (phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI)

MF C40 H40 N12 O8 S2

CI COM

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 26 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2hydroxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI)

MF C38 H40 N12 O8 S2

CI COM

PAGE 1-A

PAGE 1-B

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2

26 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-IN hydroxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI)

MF C44 H52 N12 O10 S2 . 2 Na

PAGE 1-A PhNH NHPh $Me-CH-CH_2-N$ SO3H SO3H ОН - СН- Ме - CH-- CH2 ÓН OH OH

--- Me

L2 26 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

Glycine, N,N'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[(4-IN acetylphenyl)amino]-1,3,5-triazine-4,2-diyl]]]bis[N-(carboxymethyl)-, hexasodium salt (9CI)

MF C44 H40 N12 O16 S2 . 6 Na

PAGE 1-A

●6 Na

PAGE 1-B

L2

26 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[4-IN (aminocarbonyl)phenyl]amino]-6-[(2-methoxyethyl)amino]-1,3,5-triazin-2yl]amino]-, disodium salt (9CI)

C40 H42 N14 O10 S2 . 2 Na MF

PAGE 1-A

●2 Na

PAGE 1-B

L2 26 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino(6-amino-1,3,5-triazine-4,2-diyl)imino]]bis-, 1,1'-diethyl ester, (E)- (9CI)

MF C38 H36 N12 O10 S2

CI COM

Double bond geometry as shown.

PAGE 1-A

____NH2

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 26 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(4methylphenyl)amino]-6-(propylamino)-1,3,5-triazin-2-yl]amino]- (9CI)

MF C40 H44 N12 O6 S2

CI COM

PAGE 1-B

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 26 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Benzenesulfonic acid, 5-[[4-amino-6-[(3-methoxyphenyl)amino]-1,3,5-triazin-2-yl]amino]-2-[2-[4-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]- (9CI)

MF C33 H30 N12 O7 S2

CI COM

PAGE 1-A
NHPh
NHPh
NH NH CH CH CH

PAGE 1-B

 \sim NH2

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 26 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN C.I. Fluorescent Brightening Agent 28, (E) - (8CI)

MF C40 H44 N12 O10 S2

CI COM

Double bond geometry as shown.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- L2 26 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
- IN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, mixt. with 4-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzaldehyde [[4-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]phenyl]methylene]hyd razone (9CI)
- MF C40 H40 N14 O2 . C40 H40 N12 O8 S2
- CI MXS

CM 1

PAGE 1-B

$$-N$$

CM 2

ALL ANSWERS HAVE BEEN SCANNED

=> s 11 sss ful FULL SEARCH INITIATED 12:41:03 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 3425 TO ITERATE

100.0% PROCESSED 3425 ITERATIONS 514 ANSWERS

SEARCH TIME: 00.00.01

L3 514 SEA SSS FUL L1

=> file caplus COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE TOTAL
ENTRY SESSION
167.38 167.59

FILE 'CAPLUS' ENTERED AT 12:41:09 ON 28 AUG 2006
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=> s 13

L4 904 L3

=> d 14 1-904 bib hitstr

L4 ANSWER 1 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2006:743305 CAPLUS

TI P-free and benzene-free laundry powder detergent, and its preparation method

IN Yang, Jieding; Zhang, Yongyi; Dong, Sui

PA Peop. Rep. China

SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 6 pp. CODEN: CNXXEV

DT Patent

LA Chinese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
		-				
PI PRAI	CN 1807567 CN 2006-10008291	Α	20060 72 6 20060 22 1	CN 2006-10008291	20060221	

IT 17958-73-5, VBL

RL: TEM (Technical or engineered material use); USES (Uses) (compns. and preparation of phosphorus- and benzene-free powder laundry detergent)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

~ NH- CH2- CH2- ОН L4ANSWER 2 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN 2006:578339 CAPLUS AN 145:47289 DN Aqueous dispersions of sulfonated triazinylaminostilbene optical ΤI brighteners IN Farrar, John Martin Clariant International Ltd., Switz. PASO PCT Int. Appl., 10 pp. CODEN: PIXXD2 DTPatent LΑ English FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO. DATE -----WO 2006061399 20051207 PΙ A2 20060615 WO 2005-EP56560 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM PRAI EP 2004-29167 20041209 Α 27344-06-5P RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (aqueous dispersions of sulfonated triazinylaminostilbene optical

brighteners)

RN 27344-06-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-amino-3-cycleneryl) (2-bydrovyethyl) aminol-6-(bbenylamino)-1 3 5-triagin-2-yllaminol

oxopropyl) (2-hydroxyethyl) amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

____NHPh

L4 ANSWER 3 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2006:550438 CAPLUS

DN 145:47327

TI Photostable, water-dispersed paint for facades and interiors.

IN Manelyuk, I. B.; Soboleva, O. A.; Utrobin, A. N.; Rybakova, E. V.;
Volkova, T. I.

PA Otkrytoe Aktsionernoe Obshchestvo "Pigment", Russia

SO Russ., 14 pp. CODEN: RUXXE7

DT Patent

LA Russian

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	RU 2277560	C1	20060610	RU 2004-135033	20041130	
PRAT	RII 2004-135033		20041130			

IT 16090-02-1, Belofor KD 2

RL: MOA (Modifier or additive use); USES (Uses)

(optical brightener; photostable, water-resistant aqueous dispersion acrylic latex-based paint for facades and interiors)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 4 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2006:541126 CAPLUS

DN 145:10167

TI Granular detergent aids with good dissolubility and dispersibility of fluorescent brighteners for fibers and their manufacture '

IN Yamazaki, Yoshihiro; Saito, Shinya; Okauchi, Yuji; Tsuchiya, Takao

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 9 pp. CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
				-			
PΙ	JP 2006143812	A2	20060608	JP 2004-333305	20041117		
PRAI	JP 2004-333305		20041117				

IT 16090-02-1, Photine CBUS 560B

 $\mbox{RL}\colon\mbox{MOA}$ (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)

(fluorescent brightener; granular laundry detergent aids with good dissoly. and dispersibility of fluorescent brighteners)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

- L4 ANSWER 5 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2006:411916 CAPLUS
- DN 144:434693
- TI Compositions of fluorescent whitening agents
- IN Cockcroft, Robert; Deisenroth, Ted; Rohringer, Peter; Steffen, Winfried
- PA Ciba Specialty Chemicals Holding Inc., Switz.
- SO PCT Int. Appl., 24 pp.

CODEN: PIXXD2

DT Patent LA English FAN.CNT 1

	PATENT NO.				KIND DATE			APPLICATION NO.				DATE						
ΡI	WO	2006045714			A1	-	 2006	0504		 WO 2		 EP55			2	0051	 017	
		W:						AU,										
			CN,	co,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FΙ,	GB,	GD,
			GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	ΚE,	KG,	KM,	KP,	KR,	KZ,
			LC,	LK,	LR,	LS,	LT,	LU,	LV,	LY,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,
								OM,										
			SK,	SL,	SM;	SY,	ТJ,	TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VC,	VN,
				ZA,														
		RW:						CZ,										
			IS,	IT,	LT,	LU,	LV,	MC,	NL,	PL,	PT,	RO,	SE,	SI,	SK,	TR,	BF,	ВJ,
			CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD,	TG,	BW,	GH,
			GM,	ΚE,	LS,	MW,	MZ,	NA,	SD,	SL,	SZ,	ΤZ,	UG,	ZM,	ZW,	AM,	ΑZ,	BY,
			KG,	KZ,	MD,	RU,	ТJ,	TM										

PRAI EP 2004-105343

A 20041027

IT 4193-55-9

RL: MOA (Modifier or additive use); USES (Uses)

(fluorescent whitening agents for paper and size press/film press)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

-сн $_2$ -он

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2006:410059 CAPLUS

DN 144:452211

TI Amphoteric 4-4'-bis(triazinylamino) stilbene-2, 2'-disulfonic acid derivatives as optical brighteners for paper

```
IN
     Scheffler, Goetz; Schlatter, Rene
PA
     Ciba Specialty Chemicals Holding Inc., Switz.
SO
     PCT Int. Appl., 51 pp.
     CODEN: PIXXD2
DT
     Patent
     English
LΑ
FAN.CNT 1
     PATENT NO.
                         KIND
                                DATE
                                            APPLICATION NO.
                                                                   DATE
                         ____
                                _____
                                           -----
     WO 2006045691
PΙ
                                20060504
                         A1
                                            WO 2005-EP55122
                                                                   20051010
        W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ,
             LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ,
            NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG,
             SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN,
             YU, ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
             GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
PRAI EP 2004-105184
                        Α
                                20041020
     885476-06-2P 885476-07-3P 885476-08-4P
     885476-09-5P 885476-10-8P 885476-11-9P
     885476-12-0P
     RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP
     (Preparation); USES (Uses)
        (amphoteric 4-4'-bis(triazinylamino) stilbene-2, 2'-disulfonic acid
        derivs. as optical brighteners for paper)
RN
     885476-06-2 CAPLUS
CN
     Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[[3-
     [(3-aminopropyl)methylamino]propyl]amino]-1,3,5-triazine-4,2-
    diyl]]imino]bis-, disodium salt (9CI) (CA INDEX NAME)
```

PAGE 1-A

RN 885476-07-3 CAPLUS

CN Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[(2-aminoethyl)amino]-1,3,5-triazine-4,2-diyl]]imino]bis-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$H_2N-CH_2-CH_2-NH$$
 SO_3H SO_3H HO_2C NH NH NH NH

●2 Na

PAGE 1-B

RN 885476-08-4 CAPLUS

CN Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[[3-(diethylamino)propyl]amino]-1,3,5-triazine-4,2-diyl]]imino]bis-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

RN 885476-09-5 CAPLUS

CN Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[[3-(dimethylamino)propyl]amino]-1,3,5-triazine-4,2-diyl]]imino]bis-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$Me_2N-(CH_2)_3-NH$$
 SO_3H SO_3H $CH=CH$ NH

●2 Na

PAGE 1-B

RN 885476-10-8 CAPLUS

CN Benzoic acid, 2,2'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[(2-aminoethyl)amino]-1,3,5-triazine-4,2-diyl]]imino]bis-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

H2N-CH2-CH2-NH
SO3H
NH
CH=CH
NH
NH
NH
NH

- cH₂- CH₂- NH₂

RN 885476-11-9 CAPLUS

CN Benzoic acid, 2,2'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[[3-(diethylamino)propyl]amino]-1,3,5-triazine-4,2-diyl]]imino]bis-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

- (CH₂)₃-NEt₂

RN 885476-12-0 CAPLUS

CN Benzoic acid, 2,2'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[[3-(4-morpholinyl)propyl]amino]-1,3,5-triazine-4,2-diyl]imino]]bis-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2006:339024 CAPLUS

DN 144:371971

TI Fabric care compositions comprising hueing dye

IN Brush, Lisa Grace; Wahl, Errol Hoffman; Brown, Jodi Lee; Brown, Marena Dessette; Zhang, Shulin Larry; Cummings, Michael David; Sadlowski, Eugene Steven

PA USA

SO U.S. Pat. Appl. Publ., 20 pp. CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PAT	rent	NO.			KIN	D	DATE		i	APPL	ICAT:	ION	NO.		D	ATE	
							_											
ΡI	US	2006	0794	38		A 1		2006	0413	1	US 2	005-	2447	74		2	0051	006
	WO	2006	0419	54		A1		2006	0420	1	WO 2	005-1	US35	889		2	0051	006
		W:	ΑE,	AG,	AL,	AM,	ΑT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	BW,	BY,	ΒZ,	CA,	CH,
			CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,
			GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	ΚE,	KG,	KM,	KP,	KR,	ΚZ,
			LC,	LK,	LR,	LS,	LT,	LU,	LV,	LY,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,
			NA,	NG,	NI,	NO,	ΝZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,

NAME)

SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM PRAI US 2004-617613P 20041008 Ρ US 2005-687582P Ρ 20050603 16090-02-1, Disodium 4,4'-bis[(4-anilino-6-morpholino-s-triazin-2-ΙT yl)-amino]-2,2'-stilbene disulfonate RL: TEM (Technical or engineered material use); USES (Uses) (Tinopal AMS-GX; fabric care compns. comprising hueing dye) RN 16090-02-1 CAPLUS CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX

●2 Na

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RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

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RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 169762-28-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(aminomethyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A H₂N-CH₂ H₂N-CH₂

●2 Na

PAGE 1-B

- cн₂- он

L4 ANSWER 8 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2006:288297 CAPLUS

DN 144:490231

TI Clean production of brightener via membrane separation method

IN Wu, Dengxi; Zhong, Renbiao; Li, Guangming; Su, Hexiang; Huang, Yaoyu; He, Yi; Zhao, Jianfu

PA Shanghai Auxiliaries Manufactory Co., Ltd., Peop. Rep. China

SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 8 pp. CODEN: CNXXEV

DT Patent

LA Chinese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.								
PI	CN 1657528	Α	20050824	CN 2005-10023478	20050120							
PRAI	CN 2005-10023478		20050120	•								
IT	17958-73-5P, VBL											

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(production of brightener concs. by membrane filtration)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

NH-CH2-CH2-OH

L4 ANSWER 9 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2006:178616 CAPLUS

DN 144:414527

TI Hot-water and solid-phase extraction of fluorescent whitening agents in paper materials and infant clothes followed by unequivocal determination with ion-pair chromatography-tandem mass spectrometry

AU Chen, Hsin-Chang; Ding, Wang-Hsien

CS Department of Chemistry, National Central University, Chung-Li, 32054,
Taiwan

SO Journal of Chromatography, A (2006), 1108(2), 202-207 CODEN: JCRAEY; ISSN: 0021-9673

PB Elsevier B.V.

DT Journal

LA English

IT 4193-55-9 16090-02-1 31900-04-6

RL: ANT (Analyte); ANST (Analytical study)

(hot-water and solid-phase extraction of fluorescent whitening agents in paper materials and infant clothes followed by unequivocal determination

with

ion-pair chromatog.-tandem mass spectrometry)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

•2 Na

PAGE 1-B

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RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

ALL CITATIONS AVAILABLE IN THE RE FORMAT

```
ANSWER 10 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
     2006:149507 CAPLUS
AN
     144:214351
DN
ΤI
     Fluorescent pigments for coating compositions
IN
     Cuesta, Fabienne; Deisenroth, Ted; Fondekar, Kamalesh Pai; Joshi,
     Ramachandra V.; Rohringer, Peter; Shadakshari, Uma; Zelger, Josef
PΑ
     Ciba Specialty Chemicals Holding Inc., Switz.
SO
     PCT Int. Appl., 36 pp.
     CODEN: PIXXD2
DT
     Patent
     English
LΑ
FAN.CNT 1
     PATENT NO.
                         KIND
                                DATE
                                            APPLICATION NO.
                                                                    DATE
     -----
                         ____
PΙ
     WO 2006015963
                          Α1
                                20060216
                                            WO 2005-EP53789
                                                                    20050803
             AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ,
             LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA,
             NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,
             SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,
             ZA, ZM, ZW
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
             GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
PRAI EP 2004-103884
                                20040812
                          Α
IT
     4193-55-9 27344-06-5
     RL: PRP (Properties); TEM (Technical or engineered material use); USES
        (preparation of fluorescent whitening pigments for paper coating compns.)
RN
     4193-55-9 CAPLUS
CN
    Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-
    hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium
    salt (9CI) (CA INDEX NAME)
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— сн₂— он

RN 27344-06-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-amino-3-oxopropyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

____NHPh

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 11 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2006:126058 CAPLUS

DN 144:191207

TI Method of inactivating prions on surfaces with compositions containing peroxy acids and surfactants

IN Biering, Holger; Merz, Thomas; Meyer, Bernhard; Von Rheinbaben, Friedrich

PA Ecolab Inc., USA

SO U.S. Pat. Appl. Publ., 12 pp. CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2006030505	A1	20060209	US 2004-913070	20040806

WO 2006076045 20060720 A1 WO 2005-US27427 20050801 AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRAI US 2004-913070 A 20040806

IT 16090-02-1, Tinopal DMS/X

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(method of inactivating prions on surfaces with compns. containing peroxy acids and surfactants)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 12 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2006:122187 CAPLUS

DN 144:172630

TI Fluorescent elastic yarn and producing the yarn or covered yarn

IN Kang, Yeon Soo; Park, Min Su; Yoo, So Ra; Seo, Seung Won

PA Hyosung Corporation, S. Korea

SO U.S. Pat. Appl. Publ., 5 pp., Cont.-in-part of U.S. Ser. No. 238,936. CODEN: USXXCO

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	US 2006029800	A1	20060209	US 2005-151826	20050613
	US 2003198809	A1	20031023	US 2002-238936	20020909
PR	AI KR 2002-21159	Α	20020418		
	US 2002-238936	A2	20020909		

IT 17958-73-5, C.I. Fluorescent brightener 85

RL: MOA (Modifier or additive use); USES (Uses)

(brightener; elastic fibers containing fluorescent brighteners for quality control of elastic yarn)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-

hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

NH— CH2— CH2— ОН

```
ANSWER 13 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
     2006:29409 CAPLUS
AN
DN
     144:130797
TI
     Bleaching composition comprising a cyclic hindered amine
IN
     Resta, Stefano; Grande, Giovanni; Bianchetti, Giulia Ottavia
PA
     The Procter & Gamble Company, USA
SO
     Eur. Pat. Appl., 17 pp.
     CODEN: EPXXDW
DT
     Patent
     English
LА
FAN.CNT 1
     PATENT NO.
                            KIND
                                    DATE
                                                  APPLICATION NO.
                                                                             DATE
PI
     EP 1614742
                             A1
                                    20060111
                                                  EP 2005-75958
                                                                             20050422
          R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
              IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK,
              BA, HR, IS, YU
     US 2006183657
                             A1
                                    20060817
                                                  US 2005-175704
                                                                             20050706
     WO 2006010089
                             A1
                                    20060126
                                                  WO 2005-US24461
                                                                             20050708
              AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
              CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
              GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,
              SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,
              ZA, ZM, ZW
          RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
              IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
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KG, KZ, MD, RU, TJ, TM

CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,

PRAI EP 2004-447169 A 20040708 EP 2005-75958 A 20050422

OS MARPAT 144:130797

IT 4193-55-9 16090-02-1

RL: MOA (Modifier or additive use); USES (Uses) (brightener; bleaching composition comprising a cyclic hindered amine)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

— сн₂— он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 14 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:1323025 CAPLUS

DN 144:239011

TI Determination of fluorescent whitening agents in environmental waters by

solid-phase extraction and ion pair liquid chromatography-tandem mass spectrometry $% \left(1\right) =\left(1\right) +\left(1\right)$

AU Chen, Hsin-Chang; Wang, Shu-Ping; Ding, Wang-Hsien

CS Department of Chemistry, National Central University, Chung-Li, 32054, Taiwan

SO Journal of Chromatography, A (2006), 1102(1-2), 135-142 CODEN: JCRAEY; ISSN: 0021-9673

PB Elsevier B.V.

DT Journal

LA English

IT 31900-04-6

RL: ARU (Analytical role, unclassified); ANST (Analytical study)

(C.I. Fluorescent Brightener 205; determination of fluorescent whitening agents

in water and wastewater by solid-phase extraction and ion pair liquid chromatog.-tandem mass spectrometry)

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

agents
in water and wastewater by solid-phase extraction and ion pair liquid chromatog.-tandem mass spectrometry)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— сн₂— он

IT 16090-02-1, DAS 1

RL: ARU (Analytical role, unclassified); ANST (Analytical study)
(DAS 1; determination of fluorescent whitening agents in water and wastewater

by solid-phase extraction and ion pair liquid chromatog.-tandem mass spectrometry)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 15 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2005:1305325 CAPLUS
- DN 144:439315
- TI Development of analytical method of linear alkylbenzenesulfonates and their degradation intermediates by high performance liquid chromatography equipped with tandem mass spectrometry and its application to major Japanese rivers
- AU Managaki, Satoshi; Kojima, Sawaka; Harada, Arata; Nakada, Norihide; Tanaka, Hiroaki; Takada, Hideshige

- CS Laboratory of Organic Geochemistry, Faculty of Agriculture, Tokyo University of Agriculture and Technology, Fuchu, Tokyo, 183-8509, Japan
- SO Mizu Kankyo Gakkaishi (2005), 28(10), 621-628 CODEN: MKGAEY; ISSN: 0916-8958
- PB Nippon Mizu Kankyo Gakkai
- DT Journal
- LA Japanese
- IT 16090-02-1, DAS1
 - RL: POL (Pollutant); OCCU (Occurrence)

(development of anal. method of linear alkylbenzenesulfonates and their degradation intermediates by HPLC equipped with tandem mass spectrometry and its application to major Japanese rivers)

- RN 16090-02-1 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

- L4 ANSWER 16 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2005:1249402 CAPLUS
- DN 144:23964
- TI Thin-layer chromatographic study of some dyes and fluorescent brighteners for polymers. [Erratum to document cited in CA143:407090]
- AU Konstantinova, Temenwshka Neitcheva; Lazarova, Radoslava Asenova; Miladinova, Polya Petrova; Venkova, Alexandrina Yoncheva
- CS Organic Synthesis Department, University of Chemical Technology and Metallurgy, Sofia, 1756, Bulg.
- SO Journal of Planar Chromatography--Modern TLC (2005), 18(101), 88 CODEN: JPCTE5; ISSN: 0933-4173
- PB Research Institute for Medicinal Plants
- DT Journal
- LA English
- IT 246860-71-9 246860-72-0 246860-73-1

246860-74-2

RL: ANT (Analyte); PRP (Properties); TEM (Technical or engineered material use); ANST (Analytical study); USES (Uses)

(fluorescent brightener; thin-layer chromatog. of dyes and fluorescent brighteners for polymers (Erratum))

- RN 246860-71-9 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(phenylamino)-6-(2-propenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

$$\sim$$
 NH $-$ CH $_2-$ CH $==$ CH $_2$

RN 246860-72-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(di-2-propenylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

$-cH=cH_2$

RN 246860-73-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(1-oxo-2-propenyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

RN 246860-74-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methyl-1-oxo-2-propenyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

NHPh
SO3H
NHPh
NH
NH
NH
NH
NH
NH
NH

PAGE 1-B

L4 ANSWER 17 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:1207276 CAPLUS

DN 144:406033

TI Application of the threshold of toxicological concern approach to ingredients in personal and household care products

AU Blackburn, Karen; Stickney, Julie A.; Carlson-Lynch, Heather L.; McGinnis, Patricia M.; Chappell, Lara; Felter, Susan P.

CS Procter and Gamble Company, Cincinnati, OH, 45253, USA

SO Regulatory Toxicology and Pharmacology (2005), 43(3), 249-259 CODEN: RTOPDW; ISSN: 0273-2300

PB Elsevier

DT Journal

LA English

IT 16090-02-1

RL: ADV (Adverse effect, including toxicity); BIOL (Biological study) (application of the threshold of toxicol. concern approach to ingredients in personal and household care products)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

RE.CNT 82 THERE ARE 82 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 18 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:1171000 CAPLUS

DN 143:442481

TI Amphoteric fluorescent whitening agents in detergent formulations

IN Rohwer, Hauke; Scheffler, Goetz; Hochberg, Robert; Menge, Ullrich

PA Ciba Specialty Chemicals Holding Inc., Switz.

SO PCT Int. Appl., 35 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

CAM.	PATENT NO.																			
	PAT	ENT	NO.			KIND DATE		APPLICATION NO.						DATE						
ΡI	WO 2	2005103220			A1		20051103		WO 2005-EP51577						20050411					
		W:	ΑE,	AG,	AL,	AM,	ΑT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	BW,	BY,	BZ,	CA,	CH,		
			CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,		
			GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	ΚE,	KG,	KM,	KP,	KR,	ΚZ,		
			LC,	LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	ΜX,	ΜZ,	NA,		
			NI,	NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,		
			SM,	SY,	ТJ,	TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VC,	VN,	YU,	ZA,		
			ZM,	ZW									•				-			
		RW:	BW,	GH,	GM,	ΚE,	LS,	MW,	ΜZ,	NA,	SD,	SL,	SZ,	TZ,	ŪG,	ZM,	ZW,	AM,		
			ΑZ,	BY,	KG,	ΚZ,	MD,	RU,	ТJ,	TM,	ΑT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,		
			EE,	ES,	FI,	FR,	GB,	GR,	HU,	IE,	IS,	IT,	LT,	LU,	MC,	NL,	PL,	PT,		
			RO,	SE,	SI,	SK,	TR,	BF,	ВJ,	CF,	CG,	CI,	CM,	GΑ,	GN,	GQ,	GW,	ML,		
			MR,	NE,	SN,	TD,	TG													
PRAI		Α		2004	0420															

PRAL EP 2004-101624 A 200

IT 16090-02-1 ·

RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)

(whitening agent; amphoteric fluorescent whitening agents stable in a detergent composition with dye fixing, dye transfer inhibition and/or fabric softening agents used for treatment of textiles)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-

(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 19 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:1136412 CAPLUS

DN 145:162211

TI Two new fluorescent dyes applicable for visualization of fungal cell walls

AU Hoch, H. C.; Galvani, C. D.; Szarowski, D. H.; Turner, J. N.

CS Department of Plant Pathology, New York State Agricultural Experiment Station, Cornell University, Geneva, NY, 14456, USA

SO Mycologia (2005), 97(3), 580-588 CODEN: MYCOAE; ISSN: 0027-5514

PB Mycological Society of America

DT Journal

LA English

(visualization of fungal cell walls with new fluorescent dyes in scanning confocal microscopy)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

— сн₂— он

RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 20 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2005:704087 CAPLUS
- DN 144:313686
- TI A study on the production of fluorescence brightener CXT
- AU Song, Wei; Zhu, De-ren
- CS National Information of Dyestuff Industry, Shenyang, 110021, Peop. Rep. China
- SO Ranliao Yu Ranse (2005), 42(2), 31-34 CODEN: RYRAAY; ISSN: 1672-1179
- PB Ranliao Yu Ranse Bianjibu
- DT Journal
- LA Chinese
- IT 16090-02-1P
 - RL: SPN (Synthetic preparation); PREP (Preparation) (CXT; production of fluorescence brightener CXT and acid binders)
- RN 16090-02-1 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

- L4 ANSWER 21 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2005:696246 CAPLUS
- DN 143:155086
- TI Method of tracing offset printing fluids such as web release agents and fountain solutions
- IN Hoots, John E.; Godfrey, Martin R.; Capener, Lars E.; Soto, Dolores J.
- PA USA
- SO U.S. Pat. Appl. Publ., 11 pp. CODEN: USXXCO
- DT Patent
- LA English
- FAN.CNT 1

IZUV. CIVI I				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2005166	780 A1	20050804	US 2004-767762	20040129
PRAI US 2004-76	7762	20040129		

10/519,031

IT 4193-55-9, Keyfluor White ST 32694-95-4, Sandoz TH 40
 169762-28-1, Tinopal 5BM-GX
 RL: NUU (Other use, unclassified); USES (Uses)
 (fluorometrically detectable tracer for fountain solns.)
RN 4193-55-9 CAPLUS
CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

RN 32694-95-4 CAPLUS
CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-

hydroxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

RN 169762-28-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(aminomethyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

NHPh

— cн₂- он

L4 ANSWER 22 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:690242 CAPLUS

DN 143:216190

PhNH

TI Determination of fluorescent whitening agents in laundry detergents and surface waters by solid-phase extraction and ion-pair high-performance liquid chromatography

AU Shu, Wei-Chuan; Ding, Wang-Hsien

CS Department of Chemistry, National Central University, Chung-Li, 32054, Taiwan

SO Journal of Chromatography, A (2005), 1088(1-2), 218-223 CODEN: JCRAEY; ISSN: 0021-9673

PB Elsevier B.V.

DT Journal

LA English

IT 4193-55-9 16090-02-1 31900-04-6

RL: ANT (Analyte); ANST (Analytical study)

(determination of fluorescent whitening agents in laundry detergents and

surface waters by solid-phase extraction and ion-pair high-performance liquid

chromatoq.)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

•2 Na

PAGE 1-B

- cн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4ANSWER 23 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

2005:586745 CAPLUS AN

DN 143:120068

Skin makeup composition containing particles coated with dyes ΤI

Hadasch, Hanke; Delacour, Marie Laure; Mori, Isabelle IN

PΑ L'oreal, Fr.

Fr. Demande, 47 pp. SO

CODEN: FRXXBL

DTPatent

LΑ French

FAN.	CNT	1																			
	PA'	CENT :	NO.			KIN	D	DATE			APPLICATION NO.						DATE				
ΡI	FR 2864765					 A1	-	2005		FR 2004-50008							20040105				
	EP 1555009				A1				EP 2004-292991							20041214					
		R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GF	₹,]	IT,	LI,	LU,	NL,	SE,	MC,	PT,		
			ΙE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	AL	, 1	ΓR,	BG,	CZ,	EE,	HU,	PL,	SK,		
•			ΒA,	HR,	IS,	YU															
	JP 2005194277				A2 20050721					JP 2005-277							0050	104			
	US	2005	1755	62		A 1		20050811 US 2005-28563								20050105					
PRAI	FR	2004	-500	80		Α		2004	0105												
	US	2004	-5362	245P		P		2004	0114												
IT	419	3-55	-9 13	3863	-31-	5 160	090-	02-1													
	RL:	cos	(Co:	smet:	ic u	se);	BIO	L (B	iolog	gica	l s	tuc	dy) ;	; USI	ES (I	Jses)				
		(ski	n mal	keup	com	posit	tion	con	taini	ing	par	tic	cles	s coa	ated	with	n dy	es)			
RN	419	3-55				-				_	-						-	•			
CM	Ret	7010	s111 f/	onic	acid	1 2	21-	/1 2	-athe	anad	14 **1	\h:		5_ r r	1 - Ch	6012					

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

-сн $_2$ -он

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

— cн₂— он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 24 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:514448 CAPLUS

DN 144:234564

TI Application of NMR in structure identification of stilbene-based fluorescent brighteners

AU Wang; Yuan; Xu, Wei-chang; Su, Jin-yan

CS Shenyang Research Institute of Chemical Industry, Shenyang, 110021, Peop. Rep. China

SO Ranliao Yu Ranse (2003), 40(1), 46-48 CODEN: RYRAAY; ISSN: 1672-1179

PB Ranliao Yu Ranse Bianjibu

DT Journal

LA Chinese

IT 4404-43-7 31449-69-1

RL: PRP (Properties)

(application of NMR in structure identification of stilbene-based fluorescent brighteners)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

--- сн2-- он

RN 31449-69-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

∠ NH - CH₂ - CH₂ - OH

L4 ANSWER 25 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:482871 CAPLUS

DN 143:154977

TI Production of water-based coating materials

IN Wu, Qing

PA Wu, Qinglian, Peop. Rep. China

SO Faming Zhuanli Shenqing Gongkai Shuomingshu, No pp. given CODEN: CNXXEV

DT Patent

LA Chinese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1528834	A	20040915	CN 2003-10105322	20031013

PRAI CN 2003-10105322

20031013

IT 17958-73-5

RL: TEM (Technical or engineered material use); USES (Uses) (water-based coating materials containing)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

NH- CH2- CH2- ОН

L4 ANSWER 26 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:482864 CAPLUS

DN 143:154900

TI Method for purification of VBL fluorescent brighteners using nanoscale filter membrane

IN Jiang, Linyu; Yan, Yunhong

PA Sanda Membrane Sci. & Tech. Xiamen Co., Ltd., Peop. Rep. China

SO Faming Zhuanli Shenqing Gongkai Shuomingshu, No pp. given CODEN: CNXXEV

DT Patent

LA Chinese

FAN CNT 1

FAN. CNT	т				
PA	TENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI CN	1528827	Α	20040915	CN 2003-146991	20030926
PRAI CN	2003-146991		20030926	•	
	050 50 5-			•	

IT 17958-73-5P

RL: PUR (Purification or recovery); PREP (Preparation)
(purification of VBL fluorescent brighteners using nanoscale filter membrane)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

 \sim NH- CH $_2-$ CH $_2-$ OH

IT

27344-06-5

```
T.4
       ANSWER 27 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
AN
       2005:472205 CAPLUS
DN
       143:9386
ΤI
       Fluorescent whitening pigments containing water-soluble fluorescent
       whitening agent for whitening paper
       Deisenroth, Ted; Fondekar, Kamalesh Pai; Rohringer, Peter; Cuesta,
IN
       Fabienne; Joshi, Ramachandra V.; Kavishwar, Smita G.; Shadakshari, Uma
PA
       Ciba Specialty Chemicals Holding Inc., Switz.
SO
       PCT Int. Appl., 20 pp.
       CODEN: PIXXD2
DT
       Patent
       English
LА
FAN.CNT 1
       PATENT NO.
                                   KIND
                                             DATE
                                                              APPLICATION NO.
                                   ____
                                                              -----
PΙ
       WO 2005049682
                                   A1
                                             20050602
                                                              WO 2004-EP52869
                                                                                               20041108
                 AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
            NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
                  AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO,
                  SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
                  NE, SN, TD, TG
      CA 2546005
                                             20050602
                                    AA
                                                              CA 2004-2546005
                                                                                               20041108
PRAI EP 2003-104242
                                    Α
                                             20031118
      WO 2004-EP52869
                                    W
                                             20041108
os
      MARPAT 143:9386
```

RL: TEM (Technical or engineered material use); USES (Uses) (production of fluorescent whitening pigments containing melamine-formaldehyde

copolymer and water-soluble fluorescent whitening agent)

RN 27344-06-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-amino-3-oxopropyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino], disodium salt (9CI) (CA INDEX NAME)

PhNH NH NH CH CH = C

●2 Na

PAGE 1-B

_____ NHPh

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 28 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:402263 CAPLUS

DN 143:178868

TI Fluorescent whitening agents in Tokyo Bay sediments: molecular evidence of lateral transport of land-derived particulate matter

AU Managaki, Satoshi; Takada, Hideshige

CS Laboratory of Organic Geochemistry, Faculty of Agriculture, Tokyo University of Agriculture and Technology, Tokyo, Fuchu, 183-8509, Japan

SO Marine Chemistry (2005), 95(1-2), 113-127 CODEN: MRCHBD; ISSN: 0304-4203

PB Elsevier B.V.

DT Journal

LA English

IT 24231-46-7

RL: POL (Pollutant); OCCU (Occurrence)

(fluorescent whitening agents in Tokyo Bay sediments and mol. evidence of lateral transport of land-derived particulate matter)

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD RE.CNT 28 ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 29 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4 2005:325768 CAPLUS ΑN DN 142:400609 Ink-jet recording medium comprising modified gelatin ΤI IN Kluijtmans, Sebastianus Gerardus Johannes Maria; Kamiyama, Yoichiro PA Fuji Photo Film B.V., Neth. so PCT Int. Appl., 40 pp. CODEN: PIXXD2 DTPatent LΑ English FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO. DATE WO 2005032833 A1 20050414 WO 2004-NL690 20041004 PIW: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG EP 1520723 20050406 EP 2003-78120 A1

AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK PRAI EP 2003-78120 20031003 Α

4404-43-7D, reaction products with gelatin 849928-47-8 IT RL: TEM (Technical or engineered material use); USES (Uses) (ink-jet recording medium comprising modified gelatin) 4404-43-7 CAPLUS

RN

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) INDEX NAME)

— сн₂— он

RN 849928-47-8 CAPLUS

CN Benzenesulfonic acid, 5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-[2-[4-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]- (9CI) (CA INDEX NAME)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 30 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:298393 CAPLUS

DN 143:454695

TI Activity staining method of chitinase on chitin agar plate through polyacrylamide gel electrophoresis

AU Gohel, Vipul; Vyas, Pranav; Chhatpar, H. S.

CS Department of Microbiology and Biotechnology Centre, Faculty of Science, M.S. University of Baroda, Vadodara, 390 002, India

SO African Journal of Biotechnology - ONLINE (2005), 4(1), 87-90 CODEN: AJBFAH; ISSN: 1684-5315 URL: http://www.academicjournals.org/AJB/PDF/Pdf2005/Jan/Gohel%20et%20al.pdf

PB Academic Journals

DT Journal; (online computer file)

LA English

IT 4193-55-9, Calcofluor white M2R

RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses) (stain; staining method for chitinase detection on chitin agar plate after polyacrylamide gel electrophoresis)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

2 Na

PAGE 1-B

— cн₂- он

RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L4
    ANSWER 31 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
```

AN 2005:281842 CAPLUS

142:337721 DN

ΤI Storage-stable aqueous solutions of fluorescent whitening agents for textiles and paper

Traber, Rainer Hans; Deisenroth, Ted; Galle, Sandra; Dbaly, Helena IN

PΑ Ciba Specialty Chemicals Holding Inc., Switz.

SO PCT Int. Appl., 20 pp.

CODEN: PIXXD2

DTPatent

LΑ English

FAN.	CNT	1																
	PA'	TENT	NO.			KIND DATE			APPLICATION NO.						DATE			
PI	WO	WO 2005028749		•		20050331			WO 2004-EP52119					20040910				
		W:	ΑE,	ΑG,	ΑL,	AM,	AT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	BW,	BY,	ΒZ,	CA,	CH,
			CN,	co,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,
			GΕ,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	ΚP,	KR,	ΚZ,	LC,
			LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NA,	NI,
			NO,	ΝZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,
			ТJ,	TM,	TN,	TR,	TT,	TZ,	UA,	ŪG,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	ZW
		RW:	BW,	GH,	GM,	ΚE,	LS,	MW,	MZ,	NA,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,
			ΑZ,	BY,	KG,	ΚZ,	MD,	RU,	ТJ,	TM,	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,
			EE,	ES,	FI,	FR,	GB,	GR,	HU,	ΙE,	IT,	LU,	MC,	NL,	PL,	PT,	RO,	SE,
			SI,	SK,	TR,	BF,	ΒJ,	CF,	CG,	CI,	CM,	GΑ,	GN,	GQ,	GW,	ML,	MR,	ΝE,
			SN,	TD,	TG													
	AU	2004	2746	57		A1		2005	0331	AU 2004-274657						2	0040	910
	CA	2534	896			AA		2005	0331	(CA 2	004-	2534	896		2	0040	910
	EP	1664	430			A1		2006	0607	1	EP 2	004-	7667	58		2	0040	910
		R:	AT,	ΒE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
			IE,	SI,	FI,	RO,	CY,	TR,	BG,	CZ,	EE,	HU,	PL,	SK				
PRAI	PRAI EP 2003-103454 A		Α															
EP 2004-100396				Α		2004	0204											

WO 2004-EP52119 W 20040910

OS MARPAT 142:337721

IT 4404-43-7 4404-43-7D, acids and/or salts
31449-69-1D, acids and/or salts 66085-71-0D, acids
and/or salts 757173-60-7D, acids and/or salts
791739-24-7D, acids and/or salts 848656-08-6D, acids
and/or salts
RL: TEM (Technical or engineered material use); USES (Uses)
(storage-stable aqueous solns. of fluorescent whitening agents for textiles and paper)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

— CH₂— OH

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

— cн₂- он

RN 31449-69-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

∠ NH-CH2-CH2-OH

RN 66085-71-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-amino-3-oxopropyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-(9CI) (CA INDEX NAME)

PAGE 1-B

____NHPh

RN 757173-60-7 CAPLUS

CN L-Aspartic acid, N,N'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-(phenylamino)-1,3,5-triazine-4,2-diyl]]]bis-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry unknown.

PAGE 1-A

PAGE 1-B

CO2H

RN 791739-24-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-[[4-[(2-hydroxyethyl)amino]carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

$$NH - CH_2 - CH_2 - OH$$
 $NH - CH_2 - CH_2 - OH$
 $C - NH - CH_2 - CH_2 - OH$
 $NH - CH_2 - CH_2 - OH$

RN 848656-08-6 CAPLUS

PAGE 1-B

- сн2-со2н

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 32 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2005:247155 CAPLUS
- DN 142:426772
- TI Optical brighteners do not influence covert baculovirus infection of Spodoptera frugiperda
- AU Martinez, Ana-Mabel; Williams, Trevor; Lopez-Ferber, Miguel; Caballero, Primitivo
- CS Departamento de Produccion Agraria, Universidad Publica de Navarra, Pamplona, 31006, Spain
- SO Applied and Environmental Microbiology (2005), 71(3), 1668-1670

CODEN: AEMIDF; ISSN: 0099-2240

PB American Society for Microbiology

DT Journal

LA English

IT 4193-55-9, Tinopal UNPA-GX

RL: BSU (Biological study, unclassified); BIOL (Biological study) (optical brighteners do not influence covert baculovirus infection of Spodoptera frugiperda)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂— он

RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 33 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:231530 CAPLUS

DN 142:306517

TI Lightfast cyanine dye compositions for optical data recording

PA Clariant International Ltd., Switz.

SO Eur. Pat. Appl., 18 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN CNT 1

PAN.	NI.	1																	
	PAT	ENT	NO.			KIND DATE			1	APPL	ICAT	DATE							
PI	EP 1514906					A1 20050316				:	EP 2003-20681						20030911		
		R:						ES,										PT,	
			ΙE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	AL,	TR,	BG,	CZ,	EE,	HU,	SK		
	WO 2005023939			A1 20050317			WO 2004-IB2890						20040903						
		W:						AU,											
								DE,											
			GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	ΚE,	KG,	ΚP,	KR,	ΚZ,	LC,	
			LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG.	MK.	MN.	MW.	MX.	MZ.	NA.	NI.	

NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

. PRAI EP 2003-20681

A 20030911

IT 847911-08-4

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(lightfast cyanine dye compns. for optical data recording)

RN 847911-08-4 CAPLUS

CN 1H-Benz[e]indolium, 3-ethyl-2-[3-(3-ethyl-1,3-dihydro-1,1-dimethyl-2H-benz[e]indol-2-ylidene)-1-propenyl]-1,1-dimethyl-, salt with 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzenesulfonic acid] (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 356062-57-2 CMF C35 H37 N2

CM 2

CRN 82584-34-7

CMF C40 H38 N12 O8 S2

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 34 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:217526 CAPLUS

DN 143:407090

TI Thin-layer chromatographic study of some dyes and fluorescent brighteners for polymers

AU Konstantinova, Temenwshka Neitcheva; Lazarova, Radoslava Asenova; Miladinova, Polya Petrova; Venkova, Alexandrina Yoncheva

CS Organic Synthesis Department, University of Chemical Technology and Metallurgy, Sofia, 1756, Bulg.

SO Journal of Planar Chromatography--Modern TLC (2004), 17(6), 444-448

CODEN: JPCTE5; ISSN: 0933-4173

PB Research Institute for Medicinal Plants

DT Journal

LA English

IT 246860-71-9 246860-72-0 246860-73-1

246860-74-2

RL: ANT (Analyte); PRP (Properties); TEM (Technical or engineered material use); ANST (Analytical study); USES (Uses)

(fluorescent brightener; thin-layer chromatog. of dyes and fluorescent brighteners for polymers)

RN 246860-71-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(phenylamino)-6-(2-propenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

$$\sim$$
 NH $-$ CH $_2-$ CH $=$ CH $_2$

RN 246860-72-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(di-2-propenylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

H2C
$$=$$
 CH $=$ CH $=$

PAGE 1-B

RN 246860-73-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(1-oxo-2-propenyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

RN 246860-74-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methyl-1-oxo-2-propenyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 35 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2005:182641 CAPLUS
- DN 142:263003
- TI Triazinylaminostilbene derivative optical brighteners for fibers and paper
- IN Scheffler, Goetz; Rohwer, Hauke; Schlatter, Rene; Hochberg, Robert

```
PA
     Ciba Specialty Chemicals Holding Inc., Switz.
SO
     PCT Int. Appl., 30 pp.
     CODEN: PIXXD2
DT
     Patent
     English
LА
FAN.CNT 1
     PATENT NO.
                         KIND
                                DATE
                                            APPLICATION NO.
                                                                    DATE
                                            -----
                                _____
PI
     WO 2005019189
                                20050303
                          A1
                                            WO 2004-EP51767
                                                                    20040811
         W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
             AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
             EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
             SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
             SN, TD, TG
     AU 2004266851
                          A1
                                20050303
                                            AU 2004-266851
     EP 1656356
                          A1
                                20060517
                                            EP 2004-766470
                                                                    20040811
             AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK
PRAI EP 2003-102616
                                20030821
                          Α
     WO 2004-EP51767
                                20040811
os
     MARPAT 142:263003
IT
     845890-46-2P 845890-47-3P 845890-48-4P
     845890-49-5P 845890-52-0P 845890-53-1P
     845890-57-5P 845890-59-7P 845890-61-1P
     845890-62-2P 845890-63-3P
     RL: IMF (Industrial manufacture); TEM (Technical or engineered material
     use); PREP (Preparation); USES (Uses)
        (preparation of triazinylaminostilbene derivative optical brighteners for
fibers
        and paper)
RN
     845890-46-2 CAPLUS
CN
     Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[[3-
     (dimethylamino)propyl]amino]-1,3,5-triazine-4,2-diyl]imino]]bis-,
     1,1'-diethyl ester, disodium salt (9CI) (CA INDEX NAME)
```

O Me₂N-(CH₂)₃-NH SO₃H SO₃H

PAGE 1-A

NH

PAGE 1-B

RN 845890-47-3 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(dimethylamino)propyl]amino]-6-[[4-[[[3-(dimethylamino)propyl]amino]carbon yl]phenyl]amino]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

$$Me_2N-(CH_2)_3-NH-C$$
 $NH-NH$
 NH
 NH
 NH
 NH
 NH
 NH

PAGE 1-B

RN 845890-48-4 CAPLUS

CN l-Propanaminium, 3,3'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[[4-[[[3-(trimethylammonio)propyl]amino]carbonyl]phenyl]amino]-1,3,5triazine-4,2-diyl]imino]]bis[N,N,N-trimethyl-, bis(inner salt), dichloride (9CI) (CA INDEX NAME)

PAGE 1-A

$$Me_3+N-(CH_2)_3-NH-C$$
 $NH-NH-NH-CH=CH$

PAGE 1-B

RN 845890-49-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(dimethylamino)propyl]amino]-6-[[4-[[(2-hydroxyethyl)amino]carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

HO-
$$CH_2$$
- CH_2 - NH - CH - CH_2) 3 - NH NH - NH

PAGE 1-B

RN 845890-52-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-aminoethyl)amino]-6-[[4-[(2-hydroxyethyl)amino]carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

SO3H NH-CH₂-CH₂-NH₂ O
$$C$$
-NH-CH₂-CH₂-OH NH NH NH

RN 845890-53-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[2-[(2-aminoethyl)amino]ethyl]amino]-6-[[4-[[(2-hydroxyethyl)amino]carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A
$$H_{2}N-CH_{2}-CH_{2}$$

$$SO_{3}H$$

$$CH=CH$$

$$NH-CH_{2}-CH_{2}-NH-CH_{2}-CH_{2}-NH_{2}$$

PAGE 1-B

RN 845890-57-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-[(3-aminopropyl)methylamino]propyl]amino]-6-[[4-[[(2-hydroxyethyl)amino]carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

$$\begin{array}{c|c} & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & \\ & & \\ &$$

RN 845890-59-7 CAPLUS

CN Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[(2-aminoethyl)amino]-1,3,5-triazine-4,2-diyl]imino]]bis-, 1,1'-diethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

RN 845890-61-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(diethylamino)propyl]amino]-6-[[4-[[(2-hydroxyethyl)amino]carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

HO-
$$CH_2$$
- CH_2 - NH - CH - CH_2) 3-NH SO3H NH - NH

PAGE 1-B

RN 845890-62-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[4-(aminocarbonyl)phenyl]amino]-6-[[3-(diethylamino)propyl]amino]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

RN 845890-63-3 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(diethylamino)propyl]amino]-6-[[4-[(methylamino)carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4ANSWER 36 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:122637 CAPLUS

DN 142:200364

ΤI Taggant security system for paper products as a deterrent to counterfeiting

Lagunowich, John G.; Driscoll, Tim; Lilly, William D.; Doll, Paul IN

PΑ Spectra Systems Corporation, USA

SO U.S. Pat. Appl. Publ., 16 pp., which CODEN: USXXCO

DTPatent

LA FAN.		glish 1										,						
	PA:	TENT	NO.			KIN	D 	DATE			APPL	ICAT	ION I	NO.		D.	ATE	
PI		2005				A1		2005			US 2					_	0040	
		2005 2005	0149	28		A2 A3		2005 2005	0707		WO 2						0040	
		W:						AU, DE,										
			GE,	GH,	GM,	HR,	ΗU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	KZ,	LC,
								LV, PL,										
		RW:						TZ, MW,										
			ΑZ,	BY,	KG,	ΚZ,	MD,	RU,	ТJ,	TM,	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,
								GR, CF,										
PRAI	US	2003	•	TD, 177P		P		2003	0806									
		2004 2004						2004										
IT	419	93-55	-9, 1	Fluo	resc	ent 1	Brig	hten	er 28									
	RL:	: TEM	(Te	chnic	cal o	or e	ngin	eere	d mat	teri	al u	se);	USE	S (U:	ses)			

(ink composition; taggant security system for paper products as a deterrent

to counterfeiting) RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

2 Na

PAGE 1-B

— cн₂- он

L4ANSWER 37 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

ΑN 2005:102045 CAPLUS

DN 143:441973

ΤI Research on the preparation of liquor fluorescent whitening agent

ΑU Zhu, Kai; Zhu, Xinbao; Mao, Lianshan

CS School of Chemical Engineering, Nanjing University of Forestry, Nanjing, Jiangsu Province, 210037, Peop. Rep. China

SO Zhonghua Zhiye (2004), 25(11), 40-43 CODEN: ZZHHAW; ISSN: 1007-9211

PB Zhonghua Zhiye Zazhishe

Journal DT

LA Chinese

IT 32257-57-1P

RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (preparation of)

RN 32257-57-1 CAPLUS

Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-CN [bis(2-hydroxyethyl)amino]-1,3,5-triazine-4,2-diyl]imino]]bis-, tetrasodium salt (9CI) (CA INDEX NAME)

HO2C
$$NH$$
 NH NH CH CH CH SO_3H SO_3H $HO-CH_2-CH_2$

●4 Na

PAGE 1-B

L4 ANSWER 38 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:96627 CAPLUS

DN 143:388579

TI Effect of sunlight radiation on fluorescent brightening agent VBL

AU Zhong, Hong-bing; Lu, Rong-wen

CS State Key Laboratory of Fine Chemicals, Dalian University of Technology, Dalian, 16012, Peop. Rep. China

SO Ranliao Yu Ranse (2004), 41(5), 259-260, 278 CODEN: RYRAAY; ISSN: 1672-1179

PB Ranliao Yu Ranse Bianjibu

DT Journal

LA Chinese

IT 17958-73-5, VBL

RL: PRP (Properties)

(effect of sunlight radiation on fluorescent brightening agent VBL)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

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L4 ANSWER 39 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:67692 CAPLUS

DN 142:315416

TI Subcritical water and dynamic sonication-assisted solvent extraction of fluorescent whitening agents and azo dyes in paper samples

AU de los Santos, Mario; Batlle, Ramon; Salafranca, Jesus; Nerin, Cristina

CS Department of Analytical Chemistry, Aragon Institute of Engineering Research i3A, CPS-University of Zaragoza, Zaragoza, E-50018, Spain

SO Journal of Chromatography, A (2005), 1064(2), 135-141 CODEN: JCRAEY; ISSN: 0021-9673

PB Elsevier B.V.

DT Journal

LA English

IT 31449-69-1

RL: ANT (Analyte); ANST (Analytical study)

(subcrit. water and dynamic sonication-assisted solvent extraction of fluorescent whitening agents and azo dyes in paper samples)

RN 31449-69-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CAINDEX NAME)

 \sim NH-CH₂-CH₂-OH

RE.CNT THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 40 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

ΑN 2005:33151 CAPLUS

DN 142:140798

TI Cosmetic foundation-type makeups

IN Cassin, Guillaume

PΑ L'Oreal, Fr.

SO Fr. Demande, 24 pp. CODEN: FRXXBL

DTPatent

LA French

FAN.CNT 1

	-										
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE						
PI	FR 2857254	A 1	20050114	FR 2003-8299	20030707						
	US 2005031559	A1	20050210	US 2004-885141	20040707						
PRAI	FR 2003-8299	Α	20030707								
	US 2003-497558P	P	20030826								
IT	4404-43-7 13863-31-5										
	RL: COS (Cosmetic us	se); BI	OL (Biologic	al study); USES (Uses)							
	(cosmetic foundate	ion-ty	pe makeups)								
RN	4404-43-7 CAPLUS		- -								

RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B·

-- CH₂-- ОН

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

— cн₂- он

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 41 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2005:32917 CAPLUS
- DN 143:288398
- TI Study on cleaning and whitening properties of photosensitizer
- AU Liu, Yun; Zhao, Jin; Sun, Yu-mei; Zhang, Jun; Sun, Yu-e
- CS The School of Chemistry and Environmental Engineering, Beijing Technology and Business University, Beijing, 100037, Peop. Rep. China
- SO Jingxi Yu Zhuanyong Huaxuepin (2004), 12(23), 12-15, 21 CODEN: JYZHA7; ISSN: 1008-1100
- PB Jingxi Yu Zhuanyong Huaxuepin Bianjibu
- DT Journal
- LA Chinese
- IT 17958-73-5

RL: MOA (Modifier or additive use); USES (Uses) (cleaning and whitening properties of metalloporphyrin photosensitizer in the presence of fluorescent whitening agent)

- RN 17958-73-5 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

NH-СH2-СH2-ОН

L4 ANSWER 42 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:1067609 CAPLUS

DN 142:58322

TI Water-thinned water-resistant dispersion paints with improved whiteness

IN Utrobin, A. N.; Manelyuk, I. B.; Skorokhodova, O. N.; Kazakova, E. E.; Rybakova, E. V.; Volkova, T. I.

PA Otkrytoe Aktsionernoe Obshchestvo "Pigment", Russia

SO Russ., No pp. given CODEN: RUXXE7

DT Patent

LA Russian

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE						
PI	RU 2241725	C1	20041210	RU 2003-117497	20030617						
PPAT	RII 2003-117497		20030617								

IT 16090-02-1, Belofor KD 2

RL: MOA (Modifier or additive use); USES (Uses) (water-thinned water-resistant dispersion paints with improved whiteness)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

- L4 ANSWER 43 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2004:1016888 CAPLUS
- DN 143:128279
- TI Formulation of Bacillus spp. for biological control of plant diseases
- AU Schisler, D. A.; Slininger, P. J.; Behle, R. W.; Jackson, M. A.
- CS National Center for Agricultural Utilization Research (NCAUR), U.S. Department of Agriculture-Agricultural Research Service, Peoria, IL, 61604, USA
- SO Phytopathology (2004), 94(11), 1267-1271 CODEN: PHYTAJ; ISSN: 0031-949X
- PB American Phytopathological Society
- DT Journal
- LA English
- IT 16090-02-1, Blankophor BBH
 - RL: MOA (Modifier or additive use); USES (Uses) (in formulation of Bacillus subtilis for biol. control of plant diseases)
- RN 16090-02-1 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

RE.CNT 47 THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 44 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2004:942427 CAPLUS
- DN 142:200539
- TI Fluorescent whitening agent-containing organic/inorganic complex and preparation method thereof
- IN Ahn, Tae Jin; Choi, Sin Hye; Kim, Nam Hun
- PA Daeha Mantech Co., Ltd., S. Korea
- SO Repub. Korean Kongkae Taeho Kongbo, No pp. given CODEN: KRXXA7

DT Patent

LA Korean

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
ΡI	KR 2003000095	Α	20030106	KR 2001-35733	20010622		
PRAI	KR 2001-35733		20010622				

IT 24231-46-7

RL: TEM (Technical or engineered material use); USES (Uses) (fluorescent whitening agent-containing organic/inorg. complexes)

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 45 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:899534 CAPLUS

DN 141:351425

TI Method of production of microgranulated optical brighteners

IN Utrobin, A. N.; Manelyuk, B. I.; Leont'eva, A. I.; Shcherbatenko, A. V.; Tolmachev, D. O.

PA Otkrytoe Aktsionernoe Obshchestvo "Pigment", Russia

SO Russ., No pp. given CODEN: RUXXE7

DT Patent

LA Russian

FAN. CNT 1

r Auv. (PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
							
ΡI	RU 2238956	C2 .	20041027	RU 2002-132283	20021202		
PRAI	RU 2002-132283		20021202				

IT 16090-02-1, Belofor KD 2

RL: TEM (Technical or engineered material use); USES (Uses) (method of production of microgranulated optical brighteners)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

L4 ANSWER 46 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:863212 CAPLUS

DN 142:332116

TI Methods to maximise the staining of fungal propagules with fluorescent dyes

AU Prigione, Valeria; Filipello Marchisio, Valeria

CS Dipartimento di Biologia Vegetale, Universita degli Studi di Torino, Turin, I-10125, Italy

SO Journal of Microbiological Methods (2004), 59(3), 371-379 CODEN: JMIMDQ; ISSN: 0167-7012

PB Elsevier B.V.

DT Journal

LA English

IT 4193-55-9, Fluorescent brightener 28

RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses) (oxidation by sodium hypochlorite and microwave irradiation to enhance fluorescent staining of Aspergillus fumigatus and Penicillium brevicompactum conidia)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-.hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

RE.CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 47 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:823991 CAPLUS

DN 141:316284

TI Detergent compositions containing fluorescent whitening agents

IN Kaschig, Juergen; Hochberg, Robert; Becherer, Oliver; Merkle, Gerhard; Schaumann, Monika; Schultz, Bernard

PA Ciba Specialty Chemicals Holding Inc., Switz.

SO PCT Int. Appl., 67 pp. CODEN: PIXXD2

DT Patent LA English FAN.CNT 1

L FILV.				KIND DATE			APPLICATION NO.						DATE					
ΡI	PI WO 2004085594			A1 20041007			WO 2004-EP50307						20040315					
		W:	ΑE,	AG,	AL,	AM,	AT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	BW,	BY,	BZ,	CA,	CH,
								DE,										
								ID,										
			LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NA,	NI,
								PL,										
			ТJ,	TM,	TN,	TR,	TT,	TZ,	UA,	ŪG,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	ZW
		RW:						MW,										
								ТJ,										
			ES,	FI,	FR,	GB,	GR,	HU,	ΙE,	IT,	LU,	MC,	NL,	PL,	PT,	RO,	SE,	SI,
					BF,	ВJ,	CF,	CG,	CI,	CM,	GΑ,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,
			TD,															
		2004																
	ΕP	1606						2005			EP 2					_	00403	
		R:						ES,										
		0004						RO,										
		2004		85		A		20060	1328		BR 2	004-	3685	7051		20	00403	315
		1764		- 0		A		2006	1426	(
DD 7 T	0.5	2006	1008	20 241		AT		2006	7727	,	US 2	JU6-:	0483	59		20	J060s	306
PRAI		2003																
os		2004 RPAT				A		20041	1313									
IT		3-55				. 160	nan_	02-1					•		٠.			
		00-0		3003	J1 .	7 100	,,,	02 1										
		TEM		~hni	ral (or ei	nain	eered	d mat	eri:	al 110	٠١٩	गटम	2 /114	1995			
	112.							ining								-e1		
RN	419	3-55					JIICU		,	AOLC.	JCCII	- WII.	LCCIII	ing c	igein	,		
CN		zene				1. 2.	21-	(1.2-	-ethe	ened	i v1))	ni s ['	5-11	1- [hi	s 12-	_		
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		t (90						<u>.</u>	,	-, -,	, - •.			1-10		- , ,		
				-			•											

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2-N$
 $HO-CH_2-CH_2$
 HO

●2 Na

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

— cн₂— он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-

(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD

```
ALL CITATIONS AVAILABLE IN THE RE FORMAT
L4
     ANSWER 48 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
AN
     2004:796388 CAPLUS
DN
     141:297692
TI
     Bleaching compositions containing trimethoxybenzoic acid or its salt
     Briatore, Andrea; Gagliardini, Alessandro; Moss, Michael Alan John;
IN
     Todini, Oreste
PA
     The Procter & Gamble Company, USA
SO
     Eur. Pat. Appl., 17 pp.
     CODEN: EPXXDW
DΤ
     Patent
I.A
     English
FAN.CNT 1
     PATENT NO.
                          KIND
                                  DATE
                                              APPLICATION NO.
                                                                       DATE
PΙ
     EP 1462564
                           A1
                                  20040929
                                              EP 2003-447068
             AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
              IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
     US 2004192571
                           A1
                                  20040930
                                              US 2004-805771
                                                                       20040322
     WO 2004088028
                                  20041014
                           Α1
                                              WO 2004-US9596
                                                                       20040329
             AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
             BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
             SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,
             TD, TG
PRAI EP 2003-447068
                                 20030328
                           Α
     4193-55-9, Brightener BR 3 4404-43-7D,
     4,4'-Bis[[4-anilino-6-bis-2-(2-hydroxyethyl)amino-s-triazin-2-yl]amino]-
     2,2'-stilbenedisulfonic acid, salts 16090-02-1, Brightener BR 15
```

(bleaching compns. containing trimethoxybenzoic acid or its salt) RN 4193-55-9 CAPLUS Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

24231-46-7D, 4,4'-Bis[(4-anilino-6-morpholino-s-triazin-2-

RL: TEM (Technical or engineered material use); USES (Uses)

yl)amino]-2,2'-stilbenedisulfonic acid, salts

●2 Na

PAGE 1-B

— cн₂- он

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

— cн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 49 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:780246 CAPLUS

DN 141:265526

TI Method of monitoring membrane separation processes

IN Kelle, Zeiher E. H.; Ho, Bosco P.; Hoots, John E.; Bedford, Binaifer S.; Godfrey, Martin R.

PA USA

SO U.S. Pat. Appl. Publ., 17 pp., Cont.-in-part of U.S. Ser. No. 109,256. CODEN: USXXCO

DT Patent

LA English

FAN.CNT 2

FAIN.	CNI Z				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	US 2004185472	A1	20040923	US 2003-737475	20031216
	US 6821428	B1	20041123	US 2002-109256	20020328
	CN 1642623	Α	20050720	CN 2003-807233	20030121
	US 2004104171	A1	20040603	US 2003-722750	20031126
	US 6838001	B2	20050104		
PRAI	US 2002-109256	A2	20020328		
IT	4193-55-9, Keyfluor	White	ST 32694-95-	-4	
	169762-28-1, Benzen	esulfor	nic acid, 2, 2	'-(1,2-Ethenedivl)bis[5-[4-

169762-28-1, Benzenesulfonic acid,2,2'-(1,2-Ethenediyl)bis[5-[4-[(aminomethyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-,disodium salt

RL: TEM (Technical or engineered material use); USES (Uses) (method of monitoring membrane separation processes)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

-сн $_2$ -он

RN 32694-95-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

RN 169762-28-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(aminomethyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$H_2N-CH_2$$
 H_2N-CH_2
 H_2N-CH_2

●2 Na

PAGE 1-B

- cH₂- он

L4 ANSWER 50 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:775162 CAPLUS

DN 142:312366

TI Adaptation of FUN-1 and Calcofluor white stains to assess the ability of viable and nonviable yeast to adhere to and be internalized by cultured mammalian cells

AU Henry-Stanley, Michelle J.; Garni, Robb M.; Wells, Carol L.

CS Department of Laboratory Medicine and Pathology, University of Minnesota, Minneapolis, 55455, USA

SO Journal of Microbiological Methods (2004), 59(2), 289-292 CODEN: JMIMDQ; ISSN: 0167-7012

PB Elsevier B.V.

DT Journal

LA English

IT 4193-55-9

RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses) (Calcofluor White; adaptation of FUN-1 and Calcofluor white stains to assess the ability of viable and nonviable yeast to adhere to and be internalized by cultured mammalian cells)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 51 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:691734 CAPLUS

DN 142:235273

TI Development of a method for the detection and quantification of total chitinase activity by digital analysis

AU Velasquez, Luis; Hammerschmidt, Ray

CS Department of Plant Pathology, Michigan State University, East Lansing, MI, 48824, USA

SO Journal of Microbiological Methods (2004), 59(1), 7-14 CODEN: JMIMDQ; ISSN: 0167-7012

PB Elsevier B.V.

DT Journal

LA English

IT 4193-55-9, Fluorescent Brightener 28
RL: ARU (Analytical role, unclassified); BUU (Biological use, unclassified); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(method for detection and quantification of total chitinase activity by digital anal.)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

— сн₂— он

RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 52 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:687624 CAPLUS

DN 142:58211

TI The synthesis and properties of triazine-stilbene fluorescent brighteners containing the phenolic antioxidant

AU Um, Seong-Il; Lee, Joon-Kyun; Kang, Yonghan; Baek, Dae-Jin

CS Department of Chemistry and Applied Chemistry, Hanyang University, Ansan, Kyunggi-do, 426-791, S. Korea

SO Dyes and Pigments (2004), Volume Date 2005, 64(2), 93-99 CODEN: DYPIDX; ISSN: 0143-7208

PB Elsevier Ltd.

DT Journal

LA English

OS CASREACT 142:58211

IT 811432-00-5P

RL: PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(brightener; preparation and properties of triazine-stilbene fluorescent brighteners containing phenolic antioxidant moiety)

RN 811432-00-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[2-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]ethyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

T-Bu

NHPh

SO3H

CH2-CH2-NH

NHPh

NHPh

NHPh

SO3H

CH=CH

●2 Na

PAGE 1-B

$$\begin{array}{c|c} & \text{NHPh} & \text{t-Bu} \\ \hline & \text{N} & \text{NH-CH}_2\text{-CH}_2 \\ \hline & \text{Bu-t} \\ \end{array}$$

RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 53 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:684294 CAPLUS

DN 142:443279

TI Enhancement of activities to Syngrapha falcifera multiple nuclear polyhidrosis virus by selected fluorescent brighteners

AU Guo, Junhui; Peng, Jianxin; Hong, Huazhu

CS Institute of Entomology, Central China Normal University, Wuhan, 430079, Peop. Rep. China

SO Zhiwu Baohu Xuebao (2004), 31(1), 111-112 CODEN: CWPHA2; ISSN: 0577-7518

PB Zhongguo Zhiwu Baohu Xuehui

DT Journal

LA Chinese

IT 4193-55-9, Tinopal UNPA-GX

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(FB 28, Tinopal LPW; synergistic effects of fluorescent brighteners on toxicity of Syngrapha falcifera nuclear polyhedrosis virus on Helicoverpa armigera larvae)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

-- сн2-- он

IT 17958-73-5

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(synergistic effects of fluorescent brighteners on toxicity of Syngrapha falcifera nuclear polyhedrosis virus on Helicoverpa armigera larvae)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

L4 ANSWER 54 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:680057 CAPLUS

DN 141:172974

TI Automated culture apparatus for adhesive animal cell

IN Ozawa, Satoru; Nomura, Yasushi; Suzuki, Isamu; Ogino, Satoshi; Koike, Koichi; Ando, Yoshinori; Hisano, Norito; Uchida, Noritaka

PA vHitachi Ltd., Japan; Hitachi Medical Corp.

SO Jpn. Kokai Tokkyo Koho, 22 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
ΡI	JP 2004229619	A2	20040819	JP 2003-25358	20030203		
	WO 2004069987	A1	20040819	WO 2003-JP16263	20031218		

W: CN, US

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR

PRAI JP 2003-25358 A 20030203

IT 4193-55-9, Calcofluor white M2R

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(automated culture apparatus for microbial contamination-free adhesive animal cell culture)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2-N$
 $NO-CH_2-CH_2-N$
 $NO-CH_$

●2 Na

PAGE 1-B

— cн₂— он

L4 ANSWER 55 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:634155 CAPLUS

DN 141:153502

```
ΤI
     Identification labels in plants or plant parts
IN
     Van Der Krieken, Wilhelmus Maria; Kok, Cornelis Johannes
     Plant Research International B.V., Neth.
PA
SO
     PCT Int. Appl., 29 pp.
     CODEN: PIXXD2
DT
     Patent
     English
LΑ
FAN.CNT 1
     PATENT NO.
                           KIND
                                   DATE
                                                APPLICATION NO.
                                                                         DATE
     ______
PΙ
     WO 2004065945
                                   20040805
                            A1
                                                WO 2003-EP785
                                                                          20030124
         W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
              CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
              GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
              LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
              PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ,
              UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
              KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     AU 2003208343
                            A1
                                   20040813
                                             AU 2003-208343
                                                                          20030124
     EP 1590656
                            A1
                                   20051102
                                                EP 2003-706384
                                                                          20030124
             AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
              IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
PRAI WO 2003-EP785
                           Α
                                   20030124
     4193-55-9 16090-02-1, Photine CBUS 32694-95-4
     169762-28-1 731785-37-8, Photine CAQ
     RL: BSU (Biological study, unclassified); BIOL (Biological study)
        (identification labels in plants or plant parts)
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RN 4193-55-9 CAPLUS CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI). (CA INDEX NAME)

PAGE 1-A но-сн2-сн2 $HO-CH_2-CH_2$ n− сн₂- $HO-CH_2-CH_2-N$ SO3H SO₃H CH= = сн NHPh

> 2 Na

> > PAGE 1-B

— сн₂— он

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 32694-95-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Me-CH-CH₂-NH NH SO₃H HO₃S

●2 Na

PAGE 1-B

NHPh

RN 169762-28-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(aminomethyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$H_2N-CH_2$$
 H_2N-CH_2
 H_2N-CH_2

●2 Na

PAGE 1-B

— сн₂— он

RN 731785-37-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(diethylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 56 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:621097 CAPLUS

DN 141:412435

TI The synthesis and properties of asymmetrically substituted 4,4'-bis(1,3,5-triazin-6-yl)diaminostilbene-2,2'-disulfonic acid derivatives as fluorescent brighteners

AU Lee, Joon-Kyun; Um, Seong-il; Kang, Yonghan; Baek, Dae-jin

CS Department of Chemistry and Applied Chemistry, Hanyang University, Kyunggi-do, 426-791, S. Korea

SO Dyes and Pigments (2005), 64(1), 25-30 CODEN: DYPIDX; ISSN: 0143-7208

PB Elsevier Ltd.

DT Journal

LA English

OS CASREACT 141:412435

TT 791616-07-4P 791616-08-5P 791616-09-6P
791616-10-9P 791616-11-0P 791616-12-1P
RL: PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(brightener; preparation and properties of asym. substituted

triazinylaminostilbenesulfonate fluorescent brighteners)

RN 791616-07-4 CAPLUS

CN Benzenesulfonic acid, 5-[[4-amino-6-[(3-methoxyphenyl)amino]-1,3,5-triazin-2-yl]amino]-2-[2-[4-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]-, trisodium salt (9CI) (CA INDEX NAME)

PAGE 1-A
NHPh
NHPh
NH NH
NH CH CH

●3 Na

PAGE 1-B

^{_}NH2

RN 791616-08-5 CAPLUS

CN Benzenesulfonic acid, 5-[[4-amino-6-[(4-methoxyphenyl)amino]-1,3,5-triazin-2-yl]amino]-2-[2-[4-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]-, trisodium salt (9CI) (CA INDEX NAME)

PAGE 1-A
NHPh
NHPh
NHPh
NH CH CH

^{_}NH2

RN 791616-09-6 CAPLUS

CN Benzenesulfonic acid, 5-[[4-amino-6-[(2-methoxyphenyl)amino]-1,3,5-triazin-2-yl]amino]-2-[2-[4-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]-, trisodium salt (9CI) (CA INDEX NAME)

●3 Na

RN 791616-10-9 CAPLUS

CN Benzenesulfonic acid, 5-[[4-amino-6-[(3-methylphenyl)amino]-1,3,5-triazin-2-yl]amino]-2-[2-[4-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]-, trisodium salt (9CI) (CA INDEX NAME)

●3 Na

PAGE 1-B

 \sim NH₂

RN 791616-11-0 CAPLUS

CN Benzenesulfonic acid, 5-[[4-amino-6-[(4-methylphenyl)amino]-1,3,5-triazin-2-yl]amino]-2-[2-[4-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]-, trisodium salt (9CI) (CA INDEX NAME)

●3 Na

PAGE 1-B

_NH2

RN 791616-12-1 CAPLUS

CN Benzenesulfonic acid, 5-[[4-amino-6-[(2-methylphenyl)amino]-1,3,5-triazin-2-yl]amino]-2-[2-[4-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]-, trisodium salt (9CI) (CA INDEX NAME)

●3 Na

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 57 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:512182 CAPLUS

DN 141:333776

TI The analysis of fluorescent whitening agents using reversed-phase HPLC and mass spectrometry

AU de los Santos, M.; Nerin, C.; Domeno, C.; Batlle, R.

CS Department of Analytical Chemistry, CPS-University of Zaragoza, Zaragoza, E-50018, Spain

SO LCGC North America (2004), 22(6), 550, 552-554, 556-558, 560 CODEN: LNACBH; ISSN: 1527-5949

PB Advanstar Communications, Inc.

DT Journal

LA English

IT 4404-43-7

RL: ANT (Analyte); ANST (Analytical study)
 (anal. of fluorescent brighteners for paper whitening by reversed phase
 HPLC and mass spectrometry)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

— cн₂- он

RE.CNT 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 58 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:508978 CAPLUS

DN 141:73658

TI Method of monitoring membrane separation processes

IN Zeiher, E. H. Kelle; Ho, Bosco P.; Hoots, John E.

PA USA

SO U.S. Pat. Appl. Publ., 14 pp., Cont.-in-part of U.S. Pat. Appl. 2003 183,575.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
					-
ΡI	US 2004118776	A1	20040624	US 2003-683956	20031010
	US 2003183575	A1	20031002	US 2002-109260	20020328
	US 6730227	B2	20040504		
PRAI	US 2002-109260	A2	20020328		

IT 32694-95-4, Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4[(2-hydroxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]]-,
disodium salt

RL: TEM (Technical or engineered material use); USES (Uses)
(Sandoz TH 40; method of monitoring membrane separation processes using fluorescent tracers and detection of membrane damage)

RN 32694-95-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

IT 169762-28-1, Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(aminomethyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]]-, disodium salt

RL: TEM (Technical or engineered material use); USES (Uses) (Tinopal 5BM-GX; method of monitoring membrane separation processes using fluorescent tracers and detection of membrane damage)

RN 169762-28-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(aminomethyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$H_2N-CH_2$$
 H_2N-CH_2
 H_2N-CH_2

●2 Na

PAGE 1-B

-сн $_2$ -он

IT 4193-55-9, Keyfluor White ST

RL: TEM (Technical or engineered material use); USES (Uses) (method of monitoring membrane separation processes using fluorescent tracers and detection of membrane damage)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 59 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:460460 CAPLUS

DN 142:178650

TI The effectiveness of molecule absorption in aqueous solution to fluorescent whitening agents

AU Yun, Liu; Yang, Xiao

CS School of Chemical and Environmental Engineering, Beijing Technology and Business University, Beijing, 100037, Peop. Rep. China

SO Chemical Journal on Internet (2004), 6(4), No pp. given CODEN: CJIHAC; ISSN: 1523-1623
URL: http://www.chemistrymag.org/cji/2004/064024pe.htm

PB Chemical Journal on Internet

DT Journal; (online computer file)

LA English

IT 17958-73-5

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(fluorescent brightener; enhancement of aqueous fluorescent brightener properties by addition of organic nitrogen compds.)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

 \sim NH- CH $_2-$ CH $_2-$ OH

CN 1711348

L4

RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 60 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

Α

20051221

CN 2003-80103529

20031111

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2004:453320 CAPLUS
AN
DN
     141:25251
TI
     Amphoteric fluorescent whitening agents for paper
IN
     Scheffler, Goetz; Rohringer, Peter; Fletcher, Ian John
PA
     Ciba Specialty Chemicals Holdings Inc., Switz. .
so
     PCT Int. Appl., 74 pp.
     CODEN: PIXXD2
DT
     Patent
LΑ
     English
FAN.CNT 1
     PATENT NO.
                            KIND
                                   DATE
                                                 APPLICATION NO.
                                                                           DATE
                            ____
PΙ
     WO 2004046293
                            A2
                                   20040603
                                                 WO 2003-EP12583
                                                                           20031111
     WO 2004046293
                            C1
                                   20040826
     WO 2004046293
                            A3
                                   20041014
         W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
              CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
              GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
              LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO,
              NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,
              TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
              TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     CA 2504256
                            AΑ
                                   20040603
                                                CA 2003-2504256
                                                                          20031111
     AU 2003288033
                            A1
                                   20040615
                                                 AU 2003-288033
                                                                           20031111
     EP 1563049 ·
                            A2
                                   20050817
                                                 EP 2003-779887
                                                                           20031111
         R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
              IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
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BR 2003016400 Α 20060221 BR 2003-16400 20031111 JP 2006506492 Т2 20060223 JP 2004-552569 20031111 EP 1674616 A2 20060628 EP 2006-111552 20031111 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, SK US 2006155124 20060713 US 2005-534315 A1 20050509 PRAI EP 2002-405998 Α 20021119 EP 2003-779887 **A3** 20031111 WO 2003-EP12583 W 20031111 os MARPAT 141:25251 IT 697768-11-9P 697768-24-4P 697768-28-8P 697768-29-9P 697768-31-3P 697768-52-8P 697768-54-0P RL: SPN (Synthetic preparation); PREP (Preparation) (amphoteric fluorescent whitening agents for paper) RN 697768-11-9 CAPLUS CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(dimethylamino)propyl]amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, mixt with 5-[[4-[[3-(dimethylamino)propyl]amino]-6-(4-morpholinyl)-1,3,5triazin-2-yl]amino]-2-[2-[4-[[4-[[3-(dimethylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]benzenesulfo nic acid and 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(dimethylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2yl]amino]benzenesulfonic acid] (9CI) (CA INDEX NAME) CM 1 CRN 697768-10-8 CMF C40 H52 N14 O7 S2

PAGE 1-B

7

CM 2

CRN 602304-09-6 CMF C38 H54 N14 O8 S2

PAGE 1-B

- (CH₂)₃-NMe₂

$$\sim$$
 N \sim 0

CM 3

CRN 19643-44-8

CMF C42 H50 N14 O6 S2

PAGE 1-B

 \sim NH- (CH₂)₃-NMe₂

RN 697768-24-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-aminoethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

CN

PAGE 1-B

 \sim NH- CH $_2-$ CH $_2-$ NH $_2$

RN 697768-28-8 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-[[3-(dimethylamino)propyl]amino]-1,3,5-triazin-2-yl]amino]-, disodium salt, mixt. with 5-[[4-[bis(2-hydroxyethyl)amino]-6-[[3-(dimethylamino)propyl]amino]-1,3,5-triazin-2-yl]amino]-2-[2-[4-[[4-[[3-(dimethylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]benzenesulfonic acid disodium salt and 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(dimethylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzenesulfonic acid] disodium salt (9CI) (CA INDEX NAME)

CM 1

CRN 697768-27-7

CMF C42 H50 N14 O6 S2 . 2 Na

●2 Na

PAGE 1-B

NH- (CH2)3-NMe2

CM 2

CRN 697768-26-6

CMF C40 H54 N14 O8 S2 . 2 Na

$$\begin{array}{c} \text{CH}_2-\text{CH}_2-\text{OH} \\ \text{HO-CH}_2-\text{CH}_2-\text{N} \\ \text{N} \\ \text{N} \\ \text{N} \\ \text{Me}_2\text{N}-\text{(CH}_2)_3-\text{NH} \\ \end{array}$$

●2 Na

PAGE 1-B

 \sim NH- (CH₂)₃-NMe₂

CM 3

CRN 697767-93-4

CMF C38 H58 N14 O10 S2 . 2 Na

●2 Na

RN 697768-29-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-[(2-hydroxyethyl)amino]propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-(9CI) (CA INDEX NAME)

PAGE 1-B

RN 697768-31-3 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[2-[(2-hydroxyethyl)amino]ethyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-(9CI) (CA INDEX NAME)

$$- NH - NH - CH_2 - CH_2 - NH - CH_2 - CH_2 - OH$$

RN 697768-52-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[2-[(2-aminoethyl)amino]ethyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-(9CI) (CA INDEX NAME)

PAGE 1-A NHPh SO3H

PAGE 1-B

RN 697768-54-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(diethylamino)propyl]amino]-6-[(2-hydroxyethyl)amino]-1,3,5-triazin-2-yl]amino]-, mixt. with 5-[[4-[[3-(diethylamino)propyl]amino]-6-[(2-hydroxyethyl)amino]-1,3,5-triazin-2-yl]amino]-2-[2-[4-[[4-[[3-(diethylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]benzenesulfonic acid and 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(diethylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzenesulfonic acid] (9CI) (CA INDEX NAME)

CM 1

CRN 697768-53-9 CMF C42 H58 N14 O7 S2

$$-$$
 (CH₂)₃-NEt₂

CM 2

CRN 697768-44-8 CMF C38 H58 N14 O8 S2

PAGE 1-B

- (CH₂)₃-NEt₂

____ NH— СН2— СН2— ОН

CM 3

CRN 697767-97-8

CMF C46 H58 N14 O6 S2

 \sim NH- (CH₂)₃-NEt₂

Et₂N-CH₂-CH₂-NH NH SO₃H HO₃S

PAGE 1-B

PAGE 1-A

RN 697767-97-8 CAPLUS
CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(diethylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-(9CI) (CA INDEX NAME)

 \sim NH- (CH₂)₃-NEt₂

RN 697767-99-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-aminopropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

- NH- (CH₂)₃- NH₂

RN 697768-03-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-aminopropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, mixt. with 5-[[4-[(3-aminopropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-[2-[4-[[4-[[3-(dimethylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]benzenesulfonic acid and 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(dimethylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzenesulfonic acid] (9CI) (CA INDEX NAME)

CM 1

CRN 697768-02-8

CMF C40 H46 N14 O6 S2

PAGE 1-A NHPh SO3H SO3H NHPh $Me_2N - (CH_2)_3 - NH$

PAGE 1-B

 $^{\text{NH-}}$ (CH₂)₃-NH₂

CM 2

CRN 697767-99-0

CMF C38 H42 N14 O6 S2

PAGE 1-B

-NH-(CH₂)₃-NH₂

CM 3

CRN 19643-44-8

CMF C42 H50 N14 O6 S2

PAGE 1-B

 \sim NH- (CH₂)₃-NMe₂

RN 697768-36-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[2-[2-(2-aminoethoxy)ethoxy]ethyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-(9CI) (CA INDEX NAME)

PAGE 1-A NHPh SO₃H
$$\sim$$
 CH \sim H₂N-CH₂-CH₂-O-CH₂-CH₂-NH

PAGE 1-B

RN 697768-37-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-aminoethyl)amino]-6-[(4-ethoxyphenyl)amino]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 697768-39-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-aminopropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

$$\begin{array}{c} ^{\rm NH_2} \\ -_{\rm NH-CH_2-CH-Me} \end{array}$$

- L4 ANSWER 61 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2004:290490 CAPLUS
- DN 140:309034
- TI Dental compositions comprising a fluorescent whitening agent and methods of use
- IN Guan, Yue Hugh; Lilley, Terence Henry
- PA The Boots Company PLC, UK; The University of Sheffield
- SO PCT Int. Appl., 35 pp.
- CODEN: PIXXD2
- DT Patent
- LA English

	PATENT NO.					KIND DATE			APPLICATION NO.						DATE			
ΡI	WO 2004028498				A1 20040408		1	WO 2003-GB4162										
		W:	ΑE,	AG,	AL,	AM,	AT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	ΒZ,	CA,	CH,	CN,
								DK,										
			GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	KZ,	LC,	LK,
			LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NI,	NO,	ΝZ,
			OM,	PG,	PH,	PL,	PΤ,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,	ТJ,	TM,
			TN,	TR,	TT,	TZ,	UA,	ŪĠ,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	ZW		
		RW:	GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	ŪG,	ZM,	ZW,	AM,	ΑZ,	BY,
			KG,	KZ,	MD,	RU,	ТJ,	TM,	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,

FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG AU 2003267644 Α1 20040419 AU 2003-267644 20030923 EP 1542648 A1 20050622 EP 2003-748336 20030923 AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK US 2006034780 US 2005-528828 A1 20060216 20050323 PRAI GB 2002-22091 Α 20020924 WO 2003-GB4162 W 20030923 os MARPAT 140:309034 IT 13863-31-5, Disodium 4,4'-bis{[4-anilino-6-(N-methyl-N-2hydroxyethyl)amino-1,3,5-triazin-2-yl amino}stilbene-2,2'-disulfonate 16090-02-1 31900-04-6 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (dental compns. comprising fluorescent whitening agent and methods of use) RN 13863-31-5 CAPLUS CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-,

Me

disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A SO3H = CH NHPh HO3S $HO-CH_2-CH_2$ CH2

2 Na

PAGE 1-B

Me

- CH₂- OH

RN 16090-02-1 CAPLUS

CNBenzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 · Na

RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 62 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:251738 CAPLUS

DN 140:272718

TI Manufacture of fluorescent brightener dispersions with good storage stability for powdered detergent compositions

IN Nishi, Toshinori; Kitagaito, Hiroshi; Nitta, Shuichi; Yamaguchi, Osamu; Yamashita, Hiroyuki

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 13 pp. CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004091689	A2	20040325	JP 2002-256211	20020830
PRAI	JP 2002-256211		20020830		

IT 16090-02-1, Photine CBUS 560B

RL: TEM (Technical or engineered material use); USES (Uses)

(Photine CBUS 560B, water-slightly soluble fluorescent brightener; manufacture

of fluorescent brightener compns. with good storage stability for powdered detergent compns.)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX

NAME)

●2 Na

L4 ANSWER 63 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:240233 CAPLUS

DN 141:191864

TI Method for preparing 4,4'-diaminostilbene-2,2'-disulfonic acid derivatives in the form of aqueous solutions useful as bleaching agents and optical brighteners

IN Mitin, N. A.; Kiro, Z. B.; Makridin, N. A.; Terekhov, A. I.; Utrobin, A.

PA Russia

SO Russ., No pp. given CODEN: RUXXE7

DT Patent

LA Russian

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	RU 2223957	C2	20040220	RU 2001-132053	20011128
PRAI	RU 2001-132053		20011128		

OS MARPAT 141:191864

IT 4404-43-7P

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(method for preparing 4,4'-diaminostilbene-2,2'-disulfonic acid derivs. in the form of aqueous solns. useful as bleaching agents and optical brighteners)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

— сн₂— он

IT 20206-64-8P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(method for preparing 4,4'-diaminostilbene-2,2'-disulfonic acid derivs. in the form of aqueous solns. useful as bleaching agents and optical brighteners)

RN 20206-64-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, compd. with 2-aminoethanol (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 4404-43-7

CMF C40 H44 N12 O10 S2

PAGE 1-B

- сн $_2$ - он

CM 2

CRN 141-43-5 CMF C2 H7 N O

 $H_2N-CH_2-CH_2-OH$

- L4 ANSWER 64 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2004:233847 CAPLUS
- DN 141:291715
- TI Microtiter plate assay of yeast cell number using the fluorescent dye Calcofluor White M2R
- AU Stagoj, Mateja Novak; Komel, Radovan; Comino, Aleksandra
- CS National Institute of Chemistry, University of Ljubljana, Ljubljana, Slovenia
- SO BioTechniques (2004), 36(3), 380-382 CODEN: BTNQDO; ISSN: 0736-6205
- PB Eaton Publishing Co.
- DT Journal
- LA English
- IT 4193-55-9, Calcofluor White M2R
 - RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses) (microtiter plate assay of yeast cell number using the fluorescent dye Calcofluor White M2R)
- RN 4193-55-9 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

•2 Na

PAGE 1-B

- сн $_2$ - он

RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 65 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2004:198689 CAPLUS
- DN 140:237070
- TI Treatment of hydrophilic fibers or their products
- IN Ueda, Mitsuo; Sawada, Kazuya; Nagase, Yoshiyuki; Takahashi, Tomoji
- PA Kobe Steel, Ltd., Japan
- SO Jpn. Kokai Tokkyo Koho, 17 pp. CODEN: JKXXAF
- DT Patent
- LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	· DATE	APPLICATION NO.	DATE		
PI	JP 2004076190	A2	20040311	JP 2002-237088	20020815		
PRAI	JP 2002-237088		20020815				

IT 31449-69-1

RL: NUU (Other use, unclassified); USES (Uses)

(fluorescent brighteners; treatment of hydrophilic fibers with reverse micelles containing supercrit. or liquefied CO2)

RN 31449-69-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

_ NH− CH2− CH2− OH

L4 ANSWER 66 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:185146 CAPLUS

DN 141:61948

TI Photolysis of Optical Whiteners in the Presence of Haloarenes

AU Studzinskii, O. P.; Borisova, L. M.; Ponomareva, R. P.

CS St. Petersburg Institute of Trade and Economics, St. Petersburg, Russia

SO Russian Journal of General Chemistry (Translation of Zhurnal Obshchei Khimii) (2003), 73(11), 1803-1805 CODEN: RJGCEK; ISSN: 1070-3632

PB MAIK Nauka/Interperiodica Publishing

DT Journal

LA English

IT 20579-01-5, Rylux BS

RL: RCT (Reactant); RACT (Reactant or reagent)
(photolysis of optical whiteners in presence of haloarenes)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 67 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2004:116153 CAPLUS
- DN 141:19137
- TI Effect of tinopal LPW on the insecticidal properties and genetic stability of the nucleopolyhedrovirus of Spodoptera exigua (Lepidoptera: Noctuidae)
- AU Murillo, Rosa; Lasa, Rodrigo; Goulson, Dave; Williams, Trevor; Munoz, Delia; Caballero, Primitivo
- CS Depto. Produccion Agraria, Universidad Publica de Navarra, Pamplona, 31006, Spain
- SO Journal of Economic Entomology (2003), 96(6), 1668-1674 CODEN: JEENAI; ISSN: 0022-0493
- PB Entomological Society of America
- DT Journal
- LA English
- IT 4193-55-9, Tinopal LPW

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(tinopal LPW effect on insecticidal properties and genetic stability of nucleopolyhedrovirus of Spodoptera)

- RN 4193-55-9 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

— cн₂- он

RE.CNT 47 THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 68 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:21423 CAPLUS

DN 141:333768

TI Detection of whitening agent in french folio by fluorescent spectrometry

AU Lu, Jianzhong

CS Zhejiang Xinchang Paper Mill, Xinchang, Zhejiang Province, 312500, Peop. Rep. China

SO Zhonghua Zhiye (2003), 24(1), 50-51 CODEN: ZZHHAW; ISSN: 1007-9211

PB Zhonghua Zhiye Zazhishe

DT Journal

LA Chinese

IT 17958-73-5

RL: ARU (Analytical role, unclassified); PEP (Physical, engineering or chemical process); PYP (Physical process); ANST (Analytical study); PROC (Process)

(detection of whitening agent in french folio by fluorescent spectrometry)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

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ANSWER 69 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
ΑN
     2003:991742 CAPLUS
DN
     140:43659
ΤI
     Whitening pigments for fluorescent whitening paper and textile and in
     detergent compositions
IN
     Cuesta, Fabienne; Naef, Roland; Deisenroth, Ted; Rohringer, Peter;
     Grienenberger, Marc Roger; Schroeder, Serge
PA
     Ciba Specialty Chemicals Holding Inc., Switz.
     PCT Int. Appl., 31 pp.
SO
     CODEN: PIXXD2
DT
     Patent
     English
LΑ
FAN.CNT 1
                           KIND
     PATENT NO.
                                   DATE
                                               APPLICATION NO.
                                                                         DATE
                           ____
                                               -----
                                   _____
                                                                         _____
PΙ
     WO 2003104560
                            A1
                                   20031218
                                               WO 2003-EP5803
                                                                         20030603
              AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
              CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
              PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
          RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
              KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
              FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
              BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     CA 2486589
                                   20031218
                                               CA 2003-2486589
                            AA
                                                                         20030603
     AU 2003238207
                            A1
                                   20031222
                                               AU 2003-238207
                                                                         20030603
     EP 1511901
                            A1
                                   20050309
                                               EP 2003-735531
                                                                         20030603
              AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
              IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
     BR 2003011712
                                  20050315
                            Α
                                               BR 2003-11712
                                                                         20030603
     CN 1659339
                            Α
                                   20050824
                                               CN 2003-813456
                                                                         20030603
     JP 2005529217
                            T2
                                   20050929
                                               JP 2004-511612
                                                                         20030603
     ZA 2004008888
                            Α
                                  20051130
                                               ZA 2004-8888
                                                                         20041103
     US 2005203221
                            A1
                                  20050915
                                               US 2004-515898
                                                                         20041124
PRAI EP 2002-405474
                            Α
                                  20020611
     WO 2003-EP5803
                                  20030603
OS
     MARPAT 140:43659
IT
     133102-27-9DP, reaction products with melamine-formaldehyde
     copolymer 634606-57-8DP, reaction products with
     melamine-formaldehyde copolymer 634606-58-9DP, reaction products
     with melamine-formaldehyde copolymer 634606-59-0DP, reaction
     products with melamine-formaldehyde copolymer
     RL: IMF (Industrial manufacture); TEM (Technical or engineered material
     use); PREP (Preparation); USES (Uses)
        (whitening pigments for fluorescent whitening paper and textile and in
        detergent compns.)
RN
     133102-27-9 CAPLUS
     Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-
CN
     [(carboxymethyl)methylamino]-1,3,5-triazine-4,2-diyl]imino]]bis-,
     hexasodium salt (9CI) (CA INDEX NAME)
```

●6 Na

PAGE 1-B

RN 634606-57-8 CAPLUS

CN Glycine, N,N'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[[4-(aminocarbonyl)phenyl]amino]-1,3,5-triazine-4,2-diyl]]]bis[N-methyl-, tetrasodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

•4 Na

PAGE 1-B

RN 634606-58-9 CAPLUS

CN L-Aspartic acid, N,N'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[[4-[(methylamino)carbonyl]phenyl]amino]-1,3,5-triazine-4,2-diyl]]]bis-, hexasodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry unknown.

●6 Na

PAGE 1-B

RN 634606-59-0 CAPLUS

CN Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[(2-sulfoethyl)amino]-1,3,5-triazine-4,2-diyl]imino]]bis-, hexasodium salt (9CI) (CA INDEX NAME)

●6 Na

PAGE 1-B

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 70 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:974149 CAPLUS

DN 140:282578

TI The assessment on the biological toxicity of papermaking additives

AU Li, Zhijian; Lin, Youfeng

CS Papermaking Engineering School, ShaanXi University of Science and Technology, Xianyang, 712081, Peop. Rep. China

Emerging Technologies of Pulping & Papermaking, Proceedings of the International Symposium on Emerging Technologies of Pulping & Papermaking, 2nd, Guangzhou, China, Oct. 9-11, 2002 (2002), 769-771. Editor(s): Liu, Huanbin; Zhan, Huaiyu; Xie, Yimin. Publisher: South China University of Technology Press, Guangzhou, Peop. Rep. China. CODEN: 69EVPX; ISBN: 7-5623-1886-7

DT Conference

LA English

IT 17958-73-5, VBL

RL: ADV (Adverse effect, including toxicity); BIOL (Biological study) (toxicity of paper-making additives)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

🕽 2 Na

PAGE 1-B

~ NH- CH2- CH2-ОН

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4ANSWER 71 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

2003:951208 CAPLUS AN

140:14376 DN

ΤI Common ligand universal enzyme and applications in screening of NAD-binding receptors ligands and detection of NAD-binding receptors

IN Qin, Yong; Yu, Lin; Hansen, Mark R.; Sergienko, Eduard; Bertolaet, Bonnie; Sem, Daniel S.

PA Triad Therapeutics, Inc., USA

so PCT Int. Appl., 123 pp.

CODEN: PIXXD2

DTPatent

English LΑ

FAN.	FAN.CNT 1																	
	PATENT NO.					KIND DATE			APPLICATION NO.						DATE			
PI						A2 20031204			WO 2003-US16053						0030	523		
	WO	2003100078																
		W:						AU,										
		•	co,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GE,	GH,
			GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	ΚZ,	LC,	LK,	LR,
								MD,										
								SC,										
								VC,						•	•	•	•	•
		RW:						MZ,						ZM.	ZW.	AM.	AZ.	BY.
								TM,										
								ΙE,										
								CM,										
	US	2003																
											US 2002-189327 AU 2003-247397							
		2005																
PRAI		2002								,						۷.		127
		2002						2002										

WO 2003-US16053

W 20030523

OS MARPAT 140:14376

IT 4193-55-9

RL: ARG (Analytical reagent use); BSU (Biological study, unclassified); BUU (Biological use, unclassified); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(ligand mimic; common ligand universal enzyme and applications in screening of NAD-binding receptors ligands and detection of NAD-binding receptors)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-{[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium-salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— сн₂— он

L4 ANSWER 72 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:855846 CAPLUS

DN 139:339308

TI Particulate foam control composition containing fluorescent whitening agent

IN Kaschig, Juergen; Merkle, Gerhard; Schultz, Bernard; L'Hostis, Jacqueline; Simon, Christel Mariette B.; Ten Cate, Johannes Gerhardus; Van Roy, Blondine Donatienne R. G.

PA Ciba Specialty Chemicals Holding Inc., Switz.

SO PCT Int. Appl., 31 pp.

CODEN: PIXXD2

DT Patent

LA English

	PA.	TENT	NO.			KIN	D	DATE			APPL	ICAT	ION	NO.		D	ATE	
PI	WO 2003089108				A1 20031030			1	WO 2003-EP3727						20030410			
		W:	ΑE,	ΑG,	AL,	AM,	ΑT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,
			co,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GE,	GH,
			GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	ΚE,	KG,	KP,	KR,	ΚZ,	LC,	LK,	LR,
			LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NI,	NO,	NZ,	OM,

PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG AU 2003227595 A1 20031103 AU 2003-227595 20030410 EP 1497009 A1 20050119 EP 2003-724996 20030410 EP 1497009 20051221 В1 AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK AT 313368 20060115 AT 2003-724996 Ε PRAI EP 2002-405320 Α 20020419 WO 2003-EP3727 20030410 W MARPAT 139:339308 os 16090-02-1

IT

RL: TEM (Technical or engineered material use); USES (Uses)

(fluorescent whitening agent; particulate foam control composition containing

fluorescent whitening agent)

16090-02-1 CAPLUS RN

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Na

RE.CNT THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 73 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

2003:836446 CAPLUS AN .

DN 139:338995

TΊ Fluorescent elastic yarn and method for producing the same.

IN Kang, Yeon Soo; Park, Min Su; Yoo, So Ra; Seo, Seung Won

PA Hyosung Corporation, S. Korea

SO U.S. Pat. Appl. Publ., 6 pp.

CODEN: USXXCO

DT Patent

LΑ English

I'MV.	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003198809	A1	20031023	US 2002-238936	20020909
	CN 1451791	A	20031029	CN 2002-143086	20020927
	TR 200202261 BR 2002004085	A2 A	20031121 20040824	TR 2002-2261 BR 2002-4085	20020927
	US 2006029800	A1	20040824	US 2005-151826	20021007 20050613
PRAI	KR 2002-21159	A	20020418		23330020
	US 2002-238936	A 2	20020909		•

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

NH-CH2-CH2-OH

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L4 ANSWER 74 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
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AN 2003:796560 CAPLUS

DN 139:311889

TI Method for monitoring membrane separation processes

IN Zeiher, E. H. Kelle; Ho, Bosco P.; Hoots, John E.; Bedford, Binaifer; Godfrey, Martin R.

PA Ondeo Nalco Company, USA

SO PCT Int. Appl., 68 pp.

CODEN: PIXXD2

DT Patent

LA English

	PATENT NO.						KIND DATE				APPL	ICAT	ION :	NO.		DATE			
ΡI	WO 2003082447				A1 20031009			WO 2003-US1756						20030121					
		W:	ΑE,	AG,	AL,	AM,	ΑT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,	
			CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GE,	GH,	
			GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	ΚE,	KG,	KP,	KR,	KZ,	LC,	LK,	LR,	
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			KG,	ΚZ,	MD,	RU,	ΤJ,	TM,	ΑT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,	
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			ВJ,	CF,	CG,	CI,	CM,	GΑ,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD,	TG		

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US 6821428
                          В1
                                 20041123
                                             US 2002-109256
                                                                     20020328
     CA 2479208
                          AA
                                 20031009
                                             CA 2003-2479208
                                                                     20030121
     AU 2003209314
                          A1
                                 20031013
                                             AU 2003-209314
                                                                     20030121
                                             EP 2003-707468
     EP 1490161
                          A1
                                 20041229
                                                                     20030121
             AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
     CN 1642623
                                 20050720
                          Α
                                             CN 2003-807233
                                                                     20030121
     JP 2005527348
                          T2
                                 20050915
                                             JP 2003-579970
                                                                     20030121
     US 2004104171
                          A1
                                 20040603
                                             US 2003-722750
                                                                     20031126
     US 6838001
                          B2
                                 20050104
PRAI US 2002-109256
                          Α
                                 20020328
     WO 2003-US1756
                          W
                                 20030121
IT
     4193-55-9, Keyfluor White ST 32694-95-4, Benzenesulfonic
     acid, {2,2'-(1,2-Ethenediyl)bis[5-[[4-[(2-hydroxypropyl)amino]-6-
     (phenylamino)-1,3,5-triazin-2-yl]amino]}-,disodium salt
     169762-28-1, Benzenesulfonic acid, {2,2'-(1,2-Ethenediyl)bis[5-[[4-
     [(aminomethyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-
     yl]amino]}-,disodium salt
     RL: TEM (Technical or engineered material use); USES (Uses)
        (monitoring membrane separation processes using fluorescent tracer(s))
RN
     4193-55-9 CAPLUS
CN
     Benzenesulfónic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-
     hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium
     salt (9CI) (CA INDEX NAME)
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$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

RN 32694-95-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

RN 169762-28-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(aminomethyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

•2 Na

PAGE 1-B

— cн₂- он

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 75 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2003:795155 CAPLUS
- DN 139:392651
- TI Forster energy-transfer studies between Trp residues of $\alpha 1$ -acid glycoprotein (orosomucoid) and the glycosylation site of the protein
- AU Albani, Jihad R.
- CS Laboratoire de Biophysique Moleculaire, Universite des Sciences et Technologies de Lille, Villeneuve d'Ascq, 59655, Fr.
- SO Carbohydrate Research (2003), 338(21), 2233-2236 CODEN: CRBRAT; ISSN: 0008-6215
- PB Elsevier Ltd.
- DT Journal
- LA English
- IT 4193-55-9

RL: ARU (Analytical role, unclassified); BUU (Biological use, unclassified); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(Calcofluor White; Forster energy-transfer studies between Trp residues of αl -acid glycoprotein (orosomucoid) and the glycosylation site of protein)

- RN 4193-55-9 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂— он

RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 76 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2003:776954 CAPLUS
- DN 139:280840
- TI Method of monitoring membrane separation processes
- IN Zeiher, E. H. Kelle; Ho, Bosco P.; Hoots, John E.
- PA Nalco Co., USA

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SO
     U.S. Pat. Appl. Publ., 18 pp.
     CODEN: USXXCO
DT
     Patent
LA
     English
FAN.CNT 2
                          KIND
     PATENT NO.
                                 DATE
                                              APPLICATION NO.
                                                                      DATE
                          ----
                                 _____
                                              -----
PΙ
     US 2003183575
                           A1
                                 20031002
                                              US 2002-109260
                                                                      20020328
     US 6730227
                           B2
                                 20040504
     CA 2478380
                           AA
                                 20031009
                                              CA 2003-2478380
                                                                      20030115
     WO 2003082450
                                              WO 2003-US1209
                           A1
                                 20031009
                                                                      20030115
             AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
             FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     AU 2003203014
                                             AU 2003-203014
                           Α1
                                 20031013
                                                                      20030115
     EP 1490164
                           A1
                                 20041229
                                              EP 2003-702130
                                                                      20030115
             AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
                                 20050720
     CN 1642626
                           Α
                                             CN 2003-807234
                                                                      20030115
     JP 2005523801
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                                 20050811
                                              JP 2003-579973
                                                                      20030115
     US 2004118776
                           A1
                                 20040624
                                             US 2003-683956
                                                                      20031010
     US 2004104169
                           A1
                                 20040603
                                              US 2003-694476
                                                                      20031027
     US 6838002
                           B2
                                 20050104
PRAI US 2002-109260
                           Α
                                 20020328
     WO 2003-US1209
                          W
                                 20030115
     32694-95-4, Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-
IT
     [(2-hydroxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-,
     disodium salt
     RL: TEM (Technical or engineered material use); USES (Uses)
        (Sandoz TH 40; method of monitoring membrane separation processes using
        fluorescent tracers)
RN
     32694-95-4 CAPLUS
CN
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-
     hydroxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium
     salt (9CI)
                (CA INDEX NAME)
```

IT 169762-28-1, Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(aminomethyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt

RL: TEM (Technical or engineered material use); USES (Uses) (Tinopal 5BM-GX; method of monitoring membrane separation processes using fluorescent tracers)

RN 169762-28-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(aminomethyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

PAGE 1-B

— cн₂- он

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

— cн₂- он

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 77 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

ΑN 2003:776843 CAPLUS

DN 139:288610

ΤI Detecting microorganisms

IN Velez, Jes S. Gilberto Salmon

PA Danisco A/S, Den.

Brit. UK Pat. Appl., 47 pp. SO CODEN: BAXXDU

DT Patent

LA	Enc	glish
FAN.	CNT	1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	GB 2386946	A1	20031001	GB 2002-7266	20020327
PRAI	GB 2002-7266		20020327		

4193-55-9, Calcofluor White M 2R

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

(microorganisms detection using fluorochromes in food, pharmaceutical or cosmetic products)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

— cн₂- он

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 78 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:751241 CAPLUS

DN 139:268078

TI Radiation image conversion panel containing light-emitting agent for improved brightness

IN Yanagida, Takafumi; Hagiwara, Kiyoshi

PA Konica Co., Japan

SO Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2003270398	A2	20030925	JP 2002-71727	20020315
PRAI JP 2002-71727		20020315		

IT 17958-73-5, C.I.Fluorescent brightener 85

RL: TEM (Technical or engineered material use); USES (Uses)

(light-emitting agent; radiation image conversion panel containing light-emitting agent for improved brightness)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

 \sim NH- CH $_2-$ CH $_2-$ OH

L4 ANSWER 79 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:722437 CAPLUS

DN 140:194869.

TI Photostabilized titanium dioxide and a fluorescent brightener as adjuvants for a nucleopolyhedrovirus

AU Farrar, Robert R., Jr.; Shapiro, Martin; Javaid, Igbal

CS USDA, Agricultural Research Service Insect Biocontrol Laboratory, Beltsville, MD, 20705, USA

SO BioControl (2003), 48(5), 543-560 CODEN: BOCOFW; ISSN: 1386-6141

PB Kluwer Academic Publishers

DT Journal

LA English

IT 35632-99-6, Blankophor HRS

RL: MOA (Modifier or additive use); USES (Uses)
(photostabilized titanium dioxide and fluorescent brightener as
adjuvants for nucleopolyhedrovirus)

RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 80 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

```
AN
      2003:696983 CAPLUS
DN
      139:216191
ΤI
      Laundry detergent composition containing tetraamido-metal complex as
      bleach catalyst
IN
      Dixon, Sarah; Gratton, Peter Leslie; Oakes, John
PA
     Unilever PLC, UK; Unilever NV; Hindustan Lever Limited
so
      PCT Int. Appl., 31 pp.
      CODEN: PIXXD2
DT
     Patent
LΑ
     English
FAN.CNT 1
      PATENT NO.
                                                  APPLICATION NO.
                            KIND
                                    DATE
                                                                            DATE
                            ____
                                                  -----
PΙ
     WO 2003072688
                             A1
                                    20030904
                                                  WO 2003-EP1464
                                                                            20030213
              AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
              CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
              GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
              LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
          PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
              FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF,
              BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     AU 2003218659
                             A1
                                    20030909
                                                 AU 2003-218659
                                                                            20030213
PRAI GB 2002-4505
                                    20020226
                             Α
     WO 2003-EP1464
                             W
                                    20030213
OS
     MARPAT 139:216191
     16090-02-1
IT
     RL: TEM (Technical or engineered material use); USES (Uses)
         (Tinopal DMS, fluorescer; laundry detergent composition containing
         tetraamido-metal complex as bleach catalyst)
RN
     16090-02-1 CAPLUS
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-
CN
     (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX
     NAME)
```

●2 Na

RE.CNT THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4ANSWER 81 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- ΑN 2003:656974 CAPLUS
- DN 139:181508
- ΤI A process for improving the sun protection factor of cellulosic fiber
- Metzger, Georges; Donze, Jean-Jacques; Kramer, Hans; Hauger, Serge; IN Papendick, Volker; Milde, Michael; Deisenroth, Ted; Traber, Rainer Hans; Menge, Ulrich; Rohwer, Hauke

```
PA
     Ciba Specialty Chemicals Holding Inc., Switz.
SO
     PCT Int. Appl., 21 pp.
     CODEN: PIXXD2
DT
     Patent
     English
LΑ
FAN.CNT 1
     PATENT NO.
                         KIND
                                 DATE
                                             APPLICATION NO.
                                                                     DATE
                                             _______
PΙ
     WO 2003069047
                          A1
                                 20030821
                                             WO 2003-EP1326
                                                                     20030211
         W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
             FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     AU 2003206876
                                 20030904
                                            AU 2003-206876
                          A1
                                                                     20030211
     EP 1476601
                          A1
                                 20041117
                                             EP 2003-704587
                                                                    20030211
             AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
     BR 2003007736
                                20050125
                                             BR 2003-7736
                          Α
                                                                    20030211
     US 2005106114
                                             US 2003-504945
                          A1
                                 20050519
                                                                    20030211
     JP 2005517822
                          T2
                                20050616
                                             JP 2003-568152
                                                                    20030211
     CN 1633531
                          Α
                                20050629
                                             CN 2003-804059
                                                                    20030211
PRAI EP 2002-405118
                                20020218
                          Α
     WO 2003-EP1326
                          W
                                20030211
os
     MARPAT 139:181508
IT
     92466-51-8P
     RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP
     (Preparation); USES (Uses)
        (whitening agent; cotton or cotton blend fabric treatment with
        whitening agents and UV absorbers)
RN
     92466-51-8 CAPLUS
CN
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-
     hydroxyethyl)amino]-6-[[4-[[(2-hydroxyethyl)amino]carbonyl]phenyl]amino]-
     1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)
```

HO3S

$$NH$$
 NH
 NH
 SO_3H
 SO_3H

PAGE 1-B

$$NH - CH_2 - CH_2 - OH$$
 O $||$ $C - NH - CH_2 - CH_2 - OH$ $NH - CH_2 - CH_2 - OH$

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 82 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:653230 CAPLUS

DN 139:181542

TI Production and use of water-soluble dyes and/or fluorescent brighteners

IN Nyssen, Peter-roger; Bacher, Erwin

PA Bayer AG, Germany

SO Ger. Offen., 10 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
				-
PI DE 10304161	A 1	20030821	DE 2003-10304161	20030203
CH 694887	Α	20050831	CH 2003-196	20030210
DDAT DE 2002-10206205	7.1	20020215		

PRAI DE 2002-10206295 A1 20020215

OS CASREACT 139:181542; MARPAT 139:181542

IT 4404-43-7P

RL: IMF (Industrial manufacture); PUR (Purification or recovery); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (fluorescent brightener; production of water-soluble fluorescent brighteners using steam pressure filtration)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

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— сн<sub>2</sub>— он
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ANSWER 83 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
     2003:551386 CAPLUS
AN
DN
     139:117209
ΤI
     Preparation of biaryl phosphate transport inhibitors
     Jozefiak, Thomas H.; Bastos, Cecilia M.; Papoulis, Andrew T.;
TN
     Holmes-Farley, Stephen Randall
     Genzyme Corporation, USA
PA
SO
     PCT Int. Appl., 135 pp.
     CODEN: PIXXD2
DT
     Patent
LΑ
     English
FAN.CNT 1
     PATENT NO.
                         KIND
                                DATE
                                            APPLICATION NO.
                                                                    DATE
                         ----
                                            -----
     WO 2003057225
PΙ
                          A2
                                20030717
                                            WO 2002-US41481
                                                                    20021224
     WO 2003057225
                          A3
                                20040408
         W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
             FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ,
             CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     US 2004019113
                          A1
                                20040129
                                            US 2002-327627
                                                                    20021220
     AU 2002367396
                                20030724
                          A1
                                            AU 2002-367396
                                                                    20021224
     EP 1465638
                          A2
                                20041013
                                            EP 2002-806234
                                                                    20021224
             AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK
     JP 2005514413
                          T2
                                20050519
                                            JP 2003-557583
                                                                    20021224
PRAI US 2001-344660P
                          Ρ
                                20011226
     US 2002-371649P
                          Ρ
                                20020410
     WO 2002-US41481
                                20021224
                          W
    MARPAT 139:117209
OS
IT
     4193-55-9P
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
     (Uses)
        (preparation of biaryl phosphate transport inhibitors)
RN
     4193-55-9 CAPLUS
CN
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-
     hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium
     salt (9CI)
                (CA INDEX NAME)
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$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

--- cн₂-- он

L4 ANSWER 84 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:475019 CAPLUS

DN 139:225850

TI Fluorescent brighteners affect feeding rates of the corn earworm (Lepidoptera: Noctuidae) and act as enhancers and sunlight protectants for its nucleopolyhedrovirus

AU Shapiro, Martin; Farrar, Robert R., Jr.

CS Agricultural Research Service, Insect Biocontrol Laboratory, USDA, Beltsville, MD, 20705, USA

SO Journal of Entomological Science (2003), 38(2), 286-299 CODEN: JESCEP; ISSN: 0749-8004

PB Georgia Entomological Society, Inc.

DT Journal

LA English

IT 16090-02-1, Blankophor BBH 35632-99-6, Blankophor HRS
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL
 (Biological study); USES (Uses)

(fluorescent brighteners affect feeding rates of corn earworm and act as enhancers and sunlight protectants for its nucleopolyhedrovirus)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 85 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:420193 CAPLUS

DN 139:163747

TI Calcofluor as a fluorescent probe to detect biofilms of foodborne pathogens

AU De Rezende, C. L. Eriksson; Joseph, S. W.; Teicher, E.; Carr, L. E.; Tall, B.; Weiner, R. M.

CS Department of Cell Biology and Molecular Genetics, University of Maryland, College Park, MD, 20742, USA

SO Journal of Food Safety (2003), 23(1), 25-33 CODEN: JFSADP; ISSN: 0149-6085

PB Food & Nutrition Press, Inc.

DT Journal

LA English

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

— cн₂- он

RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 86 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:417933 CAPLUS
DN 139:8132
TI Improvements relating to optical brighteners useful for paper
IN Jackson, Andrew Clive
PA Clariant International Ltd., Switz.

SO PCT Int. Appl., 37 pp.

CODEN: PIXXD2

DT Patent LA English

FAN.CNT 1

ran.		TENT	NO.			KIN	D	DATE			APPL	ICAT	ION 1	NO.		D.	ATE	
PI	WO	2003	0442	 75		A1	_	2003	0530	,	<u>-</u> WO 2	002-	IB48	 07		2	0021	118
		W:	ΑE,	AG,	AL,	AM,	ΑT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,
			co,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GE,	GH,
			GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	ΚZ,	LC,	LK,	LR,
			LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	NZ,	OM,	PH,
			PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SI,	SK,	SL,	ТJ,	TM,	TN,	TR,	TT,
			TZ,	UA,	UG,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	zw					
		'RW:	GH,	GM,	ΚE,	LS,	MW,	ΜZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	ΑZ,	BY,
								TM,										
								IT,								BF,	ВJ,	CF,
			CG,	CI,	CM,	GΑ,	GN,	GQ,	GW,	ML,	MR,	ΝE,	SN,	TD,	TG			
	CA	2456	908			AA		2003	0530	•	CA 2	002-2	2456	908		2	0021	118
	ΑU	2002	3474	52		A1		2003	0610		AU 2	002-	3474	52		2	0021	118
	EP	1448	853			A1		2004	0825		EP 2	002-	7833	36		21	0021	118
		R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
			ΙE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	AL,	TR,	BG,	CZ,	EE,	SK		
	BR	2002	0142	68		Α		2004	0921		BR 2	002-	1426	3		20	0021	118
		1589				Α		2005									0021	118
	JP	2005	5097	35		Т2		2005	0414		JP 2	003-	5458	35		20	0021	118
	ZA	2004	0013	24		Α		2005	0310		ZA 2	004-3	1324			20	00402	218

	US 2005022320	A1	20050203	US 2004-496190	20040519
	NO 2004002534	Α	20040823	NO 2004-2534	20040617
PRAI	GB 2001-27903	Α	20011121		
	WO 2002-IB4807	W	20021118		
os	MARPAT 139:8132				
IT	4193-55-9P				
	RL: IMF (Industrial	manufa	cture); PRP	(Properties); TEM (Techn	nical or
	engineered material				
	(manufacture of o	ptical	brighteners	for paper and paperboar	d)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

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RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 87 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2003:414935 CAPLUS
- DN 140:195599
- TI Evaluation of fluorochromes for imaging bacteria in soil
- AU Li, Ying; Dick, Warren A.; Tuovinen, Olli H.
- CS Environmental Science Graduate Program, Ohio State University, Columbus, OH, 43210-1085, USA
- SO Soil Biology & Biochemistry (2003), 35(6), 737-744 CODEN: SBIOAH; ISSN: 0038-0717
- PB Elsevier Science B.V.
- DT Journal
- LA English
- RN 4193-55-9 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂— он

RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 88 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:405765 CAPLUS

DN 139:360376

TI Host range and biological activity of three Spodoptera nucleopolyhedrovirus genotypic variants and the effect of Tinopal LPW on the most active variant

AU Murillo, R.; Munoz, D.; Caballero, P.

CS Depto. Produccion Agraria, Laboratorio de Entomologia Agricola y Patologia de Insectos, Universidad Publica de Navarra, Pamplona, E-31006, Spain

SO International Journal of Pest Management (2003), 49(2), 147-153 CODEN: IPEMEH; ISSN: 0967-0874

PB Taylor & Francis Ltd.

DT Journal

LA English

IT 4193-55-9, Tinopal LPW

RL: BSU (Biological study, unclassified); BIOL (Biological study) (effect on biol. activity of Spodoptera littoralis nucleopolyhedrovirus)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

2 Na

PAGE 1-B

— cн₂- он

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

```
L4 ANSWER 89 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
```

AN 2003:376946 CAPLUS

DN 138:386854

TI Reduction of organic carbon content of wastewater from production of concentrated solutions of anionic fluorescent brighteners

IN Huber, Kurt; Lucas, Rolf; Malisz, Jacek; Wagner, Ernst

PA Ciba Specialty Chemicals Holding Inc., Switz.

SO PCT Int. Appl., 24 pp. CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

FAN.	PATENT	NO.			KIN	D	DATE								D	ATE	
ΡI	WO 200	30402	40		A1	_	2003	0515				: EP12			2	0021	031
		ΑE,															
								DM,									
								IS,									
								MG,									
								SG,									
		. UA,															
			ТJ,									·	•	•		•	•
	RW	: GH,	GM,	ΚE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AT,	BE,	BG,
								ES,									
								CF,									
			SN,									-			•	•	•
	EP 144	2086			A 1		2004	0804	1	EP 2	002-	7853	43		20	0021	031
	R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
								MK,								•	•
	US 200															0040	505
PRAI	EP 200	1-811	075		Α		2001	1108									
	WO 200	2-EP1	2161		W		2002	1031									
os	MARPAT	138:	3868	54		•											

IT 524941-39-7P

RL: PEP (Physical, engineering or chemical process); PUR (Purification or recovery); PYP (Physical process); TEM (Technical or engineered material use); PREP (Preparation); PROC (Process); USES (Uses)

(brightener; reduction of organic carbon content of wastewater from production of

concentrated solns. of anionic dyes by membrane filtration)

RN 524941-39-7 CAPLUS

CN Aspartic acid, N,N'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-(phenylamino)-1,3,5-triazine-4,2-diyl]]]bis-, tetrasodium salt (9CI) (CA INDEX NAME)

●4 Na

PAGE 1-B

--- CH₂-- CO₂H

IT 4193-55-9P

RL: PEP (Physical, engineering or chemical process); PUR (Purification or recovery); PYP (Physical process); TEM (Technical or engineered material use); PREP (Preparation); PROC (Process); USES (Uses)

(brightener; reduction of organic carbon content of wastewater from production of

concentrated solns. of anionic fluorescent brighteners by membrane filtration)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

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RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 90 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:356557 CAPLUS

DN 138:355518

TI Liquid detergent compositions

IN Brouwn, Lili Faucia; Hines, John; Van de Pas, Johannes Cornelis

PA Unilever N.V., Neth.; Unilever PLC; Hindustan Lever Ltd.

SO PCT Int. Appl., 29 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

L MIN .	PATENT	PATENT NO.			KIN	D	DATE		,	APPL	ICAT	ION 1	NO.		D	ATE	
D.T.						-											
PΙ	WO 2003							0508									
	W:	ΑE,	AG,	ΑL,	AM,	ΑT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	ΒZ,	CA,	CH,	CN,
		co,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GE,	GH,
		GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	ΚE,	KG,	KP,	KR,	KZ,	LC,	LK,	LR,
								MG,									
								SG,									
								ZA,						•	•	•	•
	RW:	GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	AZ,	BY,
								AT,									
								LU,									
								GW,							•	•	•
	CA 2464							0508							20	0021	800
	EP 1440	142			A1											0021	
		ΑT,															
								MK,								,	,
	BR 2002	01331	.6	-	A	-	2004	1013		BR 2	002-:	1331	5 [']	•	20	0021	800
	US 2003	310940	8		A1		2003	0612	. 1	US 2	002-2	2842	32		20	0021	031
	US 6894							0517							_		
	ZA 2004	00228	31		Α					ZA 2	004-2	2281			21	0050	323
PRAI	GB 2001										•				۷.		
			-														

WO 2002-EP11265 W 20021008

IT 4193-55-9, Tinopal UNPA GX

RL: TEM (Technical or engineered material use); USES (Uses)
(anionic surfactant; liquid detergent compns. comprising anionic and nonionic surfactants, soaps, and cationic polymers)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂— он

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 91 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:324122 CAPLUS

DN 139:89221

TI Significant new uses of certain chemical substances

CS Environmental Protection Agency (EPA), USA

SO Federal Register (2003), 68(60), 15061-15089, 28 Mar 2003 CODEN: FEREAC; ISSN: 0097-6326

PB Superintendent of Documents

DT Journal

LA English

IT 205764-98-3

RL: TEM (Technical or engineered material use); USES (Uses) (stds. of EPA of USA for significant new uses of certain chemical substances)

RN 205764-98-3 CAPLUS

CN L-Aspartic acid, N,N'-[(1E)-1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-(phenylamino)-1,3,5-triazine-4,2-diyl]]]bis-, hexasodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

●6 Na

PAGE 1-B

CO2H

L4 ANSWER 92 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:284644 CAPLUS

DN 139:19184

TI Increased Electron Donor and Electron Acceptor Characters Enhance the Adhesion between Oil Droplets and Cells of Yarrowia lipolytica As Evaluated by a New Cytometric Assay

AU. Aguedo, Mario; Wache, Yves; Mazoyer, Virginie; Sequeira-LeGrand, Anabelle; Belin, Jean-Marc

CS Laboratoire de Microbiologie, UMR UB/INRA 1082 ENSBANA, Universite de Bourgogne, Dijon, 21 000, Fr.

SO Journal of Agricultural and Food Chemistry (2003), 51(10), 3007-3011 CODEN: JAFCAU; ISSN: 0021-8561

PB American Chemical Society

DT Journal

LA English

IT 4193-55-9

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(increased electron donor and electron acceptor characters enhance the adhesion between oil droplets and cells of Yarrowia lipolytica as evaluated by a new cytometric assay)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium

salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

— cн₂— он

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4ANSWER 93 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:282232 CAPLUS

DN 138:289232

ΤI Aqueous paper brightener compositions

Bacher, Erwin; Brockmann, Rolf; Giesecke, Heinz; Gottschalk, Reiner; ΙN Nyssen, Peter-Roger

PA Bayer Aktiengesellschaft, Germany

SO Eur. Pat. Appl., 19 pp.

CODEN: EPXXDW

DTPatent

LA German

FAN.	CNT	1																
	PA'	PENT	NO.			KIN	D -	DATE			APPI	ICAT	ION 1	NO.		D.	ATE	
PI	ΕP	1300				A1			0409			002-		-			0020	
		R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
			ΙE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	ΑL,	TR,	BG,	CZ,	EE,	SK		
	DE	1014	19313			A 1		2003	0417		DE 2	001-	1014	9313		2	0011	005
	US	2003	30898	88		A 1		2003	0515	1	US 2	002-	2515	61		2	0020	920
	CA	2406	5295			AA		2003	0405		CA 2	002-	2406	295		2	0021	002
PRAI	DE	2001	L-101	4931	3	Α		2001	1005									
os	MAI	RPAT	138:	2892	32													
IT	440	04-43	3-7P															

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(aqueous solns. of optical brightener for paper and cotton fabrics)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

— сн₂— он

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4ANSWER 94 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN AN 2003:282231 CAPLUS DN 138:289231 Solid optical brightener for paper TI Tegtmeyer, Dietrich; Brockmann, Rolf; Hunke, Bernhard; Huebbe, Thomas; IN Bacher, Erwin; Roick, Thomas; Nyssen, Peter-Roger PA Bayer Aktiengesellschaft, Germany SO Eur. Pat. Appl., 18 pp. CODEN: EPXXDW DT Patent German LА FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO. DATE PΙ EP 1300513 A2 20030409 EP 2002-21335 20020923 AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK DE 2001-10149314 DE 10149314 A1 20030417 20011005 PRAI DE 2001-10149314 20011005 Α MARPAT 138:289231 OS IT 4193-55-9 RL: TEM (Technical or engineered material use); USES (Uses)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

(water-soluble solid optical brightener for paper)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2-N$
 $NO-CH_2-CH_2-N$
 $NO-CH_$

2 Na

PAGE 1-B

— cн₂- он

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L4 ANSWER 95 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
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AN 2003:279572 CAPLUS

DN 138:305698

TI Manufacture of storage-stable solid granular brightener compositions

IN Nyssen, Peter Roger; Brockmann, Rolf; Huebbe, Thomas; Goebgen, Wolfgang; Franz, Harald

PA Bayer AG, Germany

SO Ger. Offen., 16 pp. CODEN: GWXXBX

DT Patent

LA German

FAN CNT 1

PAN.	NI I																
	PATENT	NO.			KIN	D -	DATE			APPL	ICAT	ION I	NO.		D.	ATE	
PI.	DE 1015	0894			A1		2003	0410		DE 2	001-	1015	0894		2	0011	018
	EP 1335	001			A1		2003	0813		EP 2	002-	2171	5		2	0020	925
	R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
								MK,									
PRAI	DE 2001	-101	4931	2	ΙA		2001	1005									
	DE 2001	-101	5089	4	Α		2001	1018									
os	MARPAT	138:	3056	98													

IT 4404-43-7P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(manufacture of storage-stable solid granular brightener compns.)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

-- сн2- он

IT 4193-55-9, 4,4'-Bis[[4-anilino-6-[bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-2,2'-stilbenedisulfonic acid disodium salt RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)

(manufacture of storage-stable solid granular brightener compns.)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2-CH_2$
 $HO-CH_2-CH_2-CH_2$
 $HO-CH_2-CH_2-CH_2$
 $HO-CH_2-CH_2-CH_2$
 $HO-CH_2-CH_2-CH_2$
 $HO-CH_2-CH_2-CH_2$
 $HO-CH_2-CH_2-CH_2$
 $HO-CH_2-CH_2-CH_2$
 $HO-CH_2-CH_2$
 $HO-CH_2-C$

•2 Na

PAGE 1-B

— сн₂— он

AN 2003:265589 CAPLUS

DN 138:398197

TI The novel method for isolating chitinolytic bacteria and its application in screening for hyperchitinase producing mutant of Alcaligenes xylosoxydans

AU Vaidya, R. J.; Macmil, S. L. A.; Vyas, P. R.; Chhatpar, H. S.

CS Department of Microbiology and Biotechnology Centre, Faculty of Science, MS University of Baroda, Vadodara, 390 002, India

SO Letters in Applied Microbiology (2003), 36(3), 129-134 CODEN: LAMIE7; ISSN: 0266-8254

PB Blackwell Publishing Ltd.

DT Journal

LA English

IT 4193-55-9, Calcofluor white M2R

RL: ARG (Analytical reagent use); BUU (Biological use, unclassified); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(novel method for isolating chitinolytic bacteria and its application in screening for a hyperchitinase producing mutant of Alcaligenes xylosoxydans)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

2 Na

PAGE 1-B

-- CH₂-- ОН

RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 97 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:241981 CAPLUS

DN 138:273343

TI Water-soluble single-use laundry detergent package with fluorescent dye in the film

IN Hsu, Feng-Lung Gordon; Giblin, Edward John; Lee, Kwang H.

PA Unilever Home and Personal Care, USA, USA

SO U.S. Pat. Appl. Publ., 5 pp. CODEN: USXXCO

DT Patent LA English FAN.CNT 1

LTM.		_					_											
	PA'	CENT 1	NO.			KIN	D	DATE		•	APPL	ICAT	ION I	NO.		D.	ATE	
PI	US	2003	0603	B7		A1	-	2003	 0327	1	US 2	001-	9573	29		2	0010	920
	WO	2003	02698	B2		A 1		2003	0403	1	WO 2	002-	EP10	127		2	0020	910
		W:	ΑE,	AG,	AL,	AM,	ΑT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,
			CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GE,	GH,
								IN,										
			LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	NZ,	OM,	PH,
			PL,	PT,	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL,	ТJ,	TM,	TN,	TR,	TT,	TZ,
-								ZA,							-			
		.RW:	GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	ŬĠ,	ZM,	ZW,	AM,	AZ,	BY,
			KG,	ΚZ,	MD,	RU,	ТJ,	TM,	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,
			FI,	FR,	GB,	GR,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE,	SK,	TR,	BF,	ВJ,	CF,
			CG,	CI,	CM,	GΑ,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD,	TG			
PRAI	US	2001-	-9573	329		Α		2001	0920					-				

PRAI US 2001-957329 A IT 169762-28-1, Tinopal 5BMGX

RL: TEM (Technical or engineered material use); USES (Uses)

(water-soluble laundry detergent package with fluorescent dye incorporated in the film)

RN 169762-28-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(aminomethyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$H_2N-CH_2$$
 H_2N-CH_2
 H_2N-CH_2

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 98 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:207539 CAPLUS

DN 138:206895

TI Optical brightener bleaching compositions for use in the textile and paper industries

IN Brena, Marco

PA 3V Sigma S.p.A., Italy

SO Ital., 15 pp.

CODEN: ITXXBY

DT Patent LA Italian FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	IT 1304728	B1	20010329	IT 1998-BG52	19980929
PRAI	IT 1998-BG52		19980929		

IT 4193-55-9 4404-43-7, 4,4'-Bis[4-anilino-6-

(dihydroxyethylamino)-1,3,5-s-triazin-2-yl]-2,2'-stilbenedisulfonic acid RL: NUU (Other use, unclassified); USES (Uses)

(fluorescent brightener, bleaching composition containing; bleaching composition

containing triazine-stilbenedisulfonate compds. in glycol solvents used bleaching of cotton textiles and paper pulps)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

•2 Na

PAGE 1-B

— cн₂- он

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

— сн₂— он

L4 ANSWER 99 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN AN 2003:140263 CAPLUS

DN 139:199098

TI Study of effects of fluorescent whitening agents in washing powder

AU Zhang, Biao; Liang, Bin; Zhang, Mingling; He, Ping

CS Henan Maodun Group, Kaifeng, 475004, Peop. Rep. China

SO Riyong Huaxue Gongye (2002), 32(4), 75-78 CODEN: RHGOE8; ISSN: 1001-1803

PB Qinggongyebu Kexue Jishu Qingbao Yanjiuso

DT Journal

LA Chinese

IT 17958-73-5, VBL

RL: MOA (Modifier or additive use); USES (Uses)

(fluorescent whitening agent; effects of fluorescent whitening agents in washing powder)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

NH— CH2— CH2— ОН

L4 ANSWER 100 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:99514 CAPLUS

DN 138:339698

- TI Coloristic and thermal stability properties of a fluorescent brightener of the class of bis(triazinylamino)stilbenes
- AU Utrobin, A. N.; Leontyeva, A. I.; Manelyuk, B. I.; Konovalov, V. I.

CS Russia

- SO Izvestiya Vysshikh Uchebnykh Zavedenii, Khimiya i Khimicheskaya Tekhnologiya (2002), 45(6), 146-149
 CODEN: IVUKAR; ISSN: 0579-2991
- PB Ivanovskii Gosudarstvennyi Khimiko-Tekhnologicheskii Universitet

DT Journal

LA Russian

OS CASREACT 138:339698

IT 16090-02-1P, Belofor KD 2

RL: IMF (Industrial manufacture); PREP (Preparation) (modified synthesis of 4,4'-bis(2-anilino-4-morpholino-6-amino-1,3,5-triazinyl)stilbene-2,2'-disulfonate fluorescent brightener improving its color and stability)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 101 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:45129 CAPLUS

DN 139:32036

- In vivo production of recombinant protein by a baculovirus vector inoculated perorally to the prefinal instar larvae of Bombyx mori L. (Lep., Bombycidae) aided by an optical brightener, Tinopal UNPA-GX
- AU Arakawa, T.; Kozuma, K.
- CS National Institute of Agrobiological Sciences (NIAS), Ibaraki, Japan
- SO Journal of Applied Entomology (2002), 126(9), 517-520 CODEN: JOAEEB; ISSN: 0931-2048
- PB Blackwell Verlag GmbH
- DT Journal

LA English

IT 4193-55-9, Tinopal UNPA-GX

RL: BCP (Biochemical process); BIOL (Biological study); PROC (Process) (in-vivo production of recombinant protein by a baculovirus vector inoculated perorally to the prefinal instar larvae of Bombyx mori, aided by Tinopal UNPA-GX)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA·INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 102 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:964916 CAPLUS

DN 138:44464

TI Method of using optically-activated particles in cosmetic preparations

IN Victor, Bruce H.

PA Lipo Chemicals, Inc., USA

SO U.S. Pat. Appl. Publ., 15 pp., Cont.-in-part of U.S. Ser. No. 872,648. CODEN: USXXCO

DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PΙ	US 2002192260	A 1	20021219	US 2002-95669	20020312
	US 6613359	B2	20030902		
	US 2002192248	A1	20021219	US 2001-872648	20010601
	US 6586013	B2	20030701		
	FR 2825274	A1	20021206	FR 2001-8523	20010628
	CA 2448822	AA	20021212	CA 2002-2448822	20020517
	WO 2002098349	A2	20021212	WO 2002-US15593	20020517
	WO 2002098349	A3	20030227		
	WO 2002098349	C2	20040415		

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AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, UZ, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB,
             GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA,
             GN, GQ, GW, ML, MR, NE, SN, TD, TG
                                 20040407
     EP 1404282
                          A2
                                             EP 2002-736917
                                                                     20020517
             AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     BR 2002010100
                          Α
                                 20040608
                                             BR 2002-10100
                                                                     20020517
     CN 1536982
                          Α
                                 20041013
                                             CN 2002-815022
                                                                     20020517
     JP 2004532878
                                 20041028
                                             JP 2003-501391
                           T2
                                                                     20020517
     FR 2829026
                                 20030307
                          A1
                                             FR 2002-6686
                                                                     20020531
     US 2003104022
                          A1
                                 20030605
                                             US 2003-345465
                                                                     20030117
     US 2003147821
                          A1
                                 20030807
                                             US 2003-383366
                                                                     20030307
     US 2003152537
                          A1
                                 20030814
                                             US 2003-383363
                                                                     20030307
     US 6808722
                          B2
                                 20041026
     US 2003170189
                          A1
                                 20030911
                                             US 2003-385140
                                                                     20030310
     US 6946147
                          B2
                                 20050920
PRAI US 2001-872648
                          ·A2
                                 20010601
     US 2002-95669
                          Α
                                 20020312
     WO 2002-US15593
                          W
                                 20020517
     13863-31-5, Tinopal 5BM 16090-02-1, Calcofluor WhiteRC
IT
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (method of using optically-activated particles in cosmetic prepns.)
RN
     13863-31-5 CAPLUS
CN
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-
     hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-,
     disodium salt (9CI) (CA INDEX NAME)
```

PhNH NH NH HO3S NH NHPh HO- CH_2-CH_2-N

PAGE 1-A

Me

Me

— cн₂- он

RN 16090-02-1 CAPLUS

PT, SE, TR

A1

B2

A1

A1

Α

US 2002192248

US 2003104022

US 6586013

FR 2825274

PRAI US 2001-872648

16090-02-1

ΙT

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4ANSWER 103 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN AN 2002:946068 CAPLUS DN 138:28947 TIMethod of using optically-activated particles in cosmetic preparations Victor, Bruce H. IN PA Lipo Chemicals, Inc., USA SO PCT Int. Appl., 34 pp. CODEN: PIXXD2 DT Patent LΑ English FAN.CNT 3 PATENT NO. KIND DATE APPLICATION NO. DATE ____ -----PΙ WO 2002098374 A1 20021212 WO 2001-US41136 20010625 AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW

20021219

20030701

20021206

20030605

20010601

RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,

US 2001-872648

US 2003-345465

FR 2001-8523

20010601

20010628

20030117

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (Calcofluor White RC; method of using optically-activated particles in
 cosmetic prepns.)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

— cн₂- он

CN

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RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT
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L4
     ANSWER 104 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
     2002:946050 CAPLUS
AN
     138:16468
DN
TI
     Method of using optically-activated particles in cosmetic preparations
IN
     Victor, Bruce H.
PA
     Lipo Chemicals, Inc., USA
     PCT Int. Appl., 41 pp.
SO
     CODEN: PIXXD2
DT
     Patent
LΑ
     English
FAN.CNT 3
                                DATE
     PATENT NO.
                         KIND
                                            APPLICATION NO.
                                                                    DATE
                         ----
                                            -----
PΙ
     WO 2002098349
                         A2
                                20021212
                                            WO 2002-US15593
                                                                    20020517
     WO 2002098349
                         A3
                                20030227
     WO 2002098349
                                20040415
                         C2
             AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, UZ, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB,
             GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA,
             GN, GQ, GW, ML, MR, NE, SN, TD, TG
     US 2002192248
                         A1
                                20021219
                                            US 2001-872648
                                                                    20010601
     US 6586013
                         В2
                                20030701
     US 2002192260
                                            US 2002-95669
                                20021219
                                                                    20020312
                         Α1
     US 6613359
                         B2
                                20030902
     CA 2448822
                         AA
                                20021212
                                            CA 2002-2448822
                                                                    20020517
     EP 1404282
                         A2
                                20040407
                                            EP 2002-736917
                                                                    20020517
         R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     BR 2002010100
                         Α
                                20040608
                                            BR 2002-10100
                                                                    20020517
     JP 2004532878
                         Т2
                                20041028
                                            JP 2003-501391
                                                                    20020517
PRAI US 2001-872648
                                20010601
                         Α
     US 2002-95669
                          Α
                                20020312
     WO 2002-US15593
                         W
                                20020517
IT
     13863-31-5, Tinopal 5BM 16090-02-1, Calcofluor white RC
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (method of using optically-activated particles in cosmetic prepns.)
     13863-31-5 CAPLUS
RN
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Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-

hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

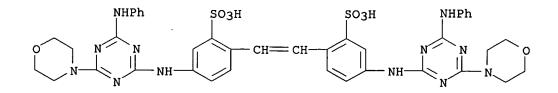
●2 Na

PAGE 1-B

— cн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)



•2 Na

L4 ANSWER 105 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:944815 CAPLUS

DN 138:18096

ΤI Jet printing receptor compositions with good hiding power and ink absorption, and printing sheets using them for postal cards

IN Hirasawa, Akira

Toppan Forms Co., Ltd., Japan PA

Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DΤ Patent

Japanese LΑ

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	JP 2002356633	A2	20021213	JP 2001-161139	20010529
PRAI	JP 2001-161139		20010529		

PRAI JP 2001-161139 ΙT

17958-73-5, Kayaphor B

RL: TEM (Technical or engineered material use); USES (Uses) (fluorescent brightener; jet printing receptor compns. with good hiding power and ink absorption for folding postal cards)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

NH-CH2-CH2-OH

L4ANSWER 106 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

2002:941422 CAPLUS AN

138:72124 DN

ΤI Determinations of yeast aging by flow cytometric analysis

ΑU Hutter, K.-J.; Nitzsche, F.

CS Graben-Neudorf, Germany

SO Monatsschrift fuer Brauwissenschaft (2002), 55(9/10), 196-199 CODEN: MOBRDJ; ISSN: 0723-1520

PB Fachverlag Hans Carl

DTJournal

LA German

ΙT 4193-55-9, Fluorescent brightener 28 RL: ANT (Analyte); ANST (Analytical study)
 (detns. of yeast aging by flow cytometric anal.)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— сн2— он

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 107 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:927667 CAPLUS

DN 138:14806

TI A composition for the fluorescent whitening of paper

IN Rohringer, Peter; Grienenberger, Marc Roger

PA Ciba Specialty Chemicals Holding Inc., Switz.

SO PCT Int. Appl., 18 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PA	TENT	NO.			KIN	D	DATE			APPL	ICAT	ION	NO.		D.	ATE	
ΡI	. Wo	2002	0971	- -		A1	_	2002	1205	1	WO 2	 002-	 EP56	68		2	0020	523
		W:	ΑE,	AG,	AL,	AM,	AT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,
			co,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GE,	GH,
			GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	ΚE,	KG,	ΚP,	KR,	ΚZ,	LC,	LK,	LR,
			LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	ΜX,	MZ,	NO,	NZ,	OM,	PH,
								SE,										
			UA,	ŪG,	US,	UZ,	VN,	YU,	ZA,	ZM,	ZW,	AM,	ΑZ,	BY,	KG,	ΚZ,	MD,	RU,
			ТJ,															
		RW:	GH,															
			CY,	DE,	DK,	ES,	FI,	FR,	GB,	GR,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE,	TR,
			BF,	ВJ,	CF,	CG,	CI,	CM,	GΑ,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD,	TG
	EP	1392						2004								_	0020	
		R:	ΑT,	ΒE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,

IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

US 2004149410 A1 20040805 US 2003-478728 20031124

PRAI EP 2001-810521 A 20010529 WO 2002-EP5668 W 20020523

OS MARPAT 138:14806

IT 13863-31-5 16090-02-1

RL: TEM (Technical or engineered material use); USES (Uses) (composition for fluorescent whitening of paper)

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

2 Na

PAGE 1-B

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RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

IT 4193-55-9

RL: TEM (Technical or engineered material use); USES (Uses) (fluorescent whitening agent; composition for fluorescent whitening of paper)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 108 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:918126 CAPLUS

DN 138:9688

TI Radiation-curable ink for insulating layer formation and ink-jet printing sheet using it

IN Hirasawa, Akira

PA Toppan Forms Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp. CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
ΡI	JP 2002347336	A2	20021204	JP 2001-161166	20010529		
PRAI	JP 2001-161166		20010529				

IT 17958-73-5, Kayaphor B

RL: TEM (Technical or engineered material use); USES (Uses) (radiation-curable ink containing white pigment and fluorescent dye for insulating layer formation)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

NH-СH2-СH2-ОН

L4 ANSWER 109 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:831860 CAPLUS

DN 137:339315

TI Detergent compositions containing a stilbene-triazine-based optical brightener

IN Coccia, Maria Gabriella; Fumagalli, Eugenio; Magnoni, Massimo

PA 3V Sigma S.p.A, Italy

SO Eur. Pat. Appl., 10 pp. CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

•		C14 I	_																		
		PATENT NO.					KIND		DATE			APPLICATION NO.						DATE			
								-									_	- -			
I	PI	EP 1253191 EP 1253191				A1	A1 20021030 EP 20				2002-8937					20020422					
						B1 20050622															
			R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	'GB,	GR,	, IT,	LI,	LU,	NL,	SE,	MC,	PT,		
				ΙE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	AL,	, TR			·	•	•	•		
		ES	2242799			Т3		2005	20051116		ES 2002-2008937			937		20020422					
US		US	2003	0549	69		A 1		2003	0320		US 2	2002-	1311	96		2	0020	425		

BR 2002001444 A 20030909 BR 2002-1444 20020429

PRAI IT 2001-MI884 A 20010427

IT 16090-02-1

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(optical brightener; detergent compns. containing a stilbene-triazine-based optical brightener)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 110 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:805810 CAPLUS

DN 138:28722

TI Investigations of sewage waters and groundwater bodies on selected components of washing and personal care products in eastern Austria

AU Hohenblum, Philipp; Scharf, Sigrid; Vogel, Birgit

CS Umweltbundesamt Wien, Vienna, A-1090, Austria

SO Vom Wasser (2001), 97, 33-44 CODEN: VJWWAU; ISSN: 0083-6915

PB Wiley-VCH Verlag GmbH & Co. KGaA

DT Journal

LA German

IT 16090-02-1, DAS 1

RL: POL (Pollutant); OCCU (Occurrence)

(selected components of washing and personal care products in sewage waters and groundwater bodies of eastern Austria)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 111 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2002:779419 CAPLUS
- DN 137:365353
- TI A gel diffusion assay for visualization and quantification of chitinase activity
- AU Zou, Xiaohong; Nonogaki, Hiroyuki; Welbaum, Gregory E.
- CS Department of Horticulture, Virginia Tech, Blacksburg, VA, 24061, USA
- SO Molecular Biotechnology (2002), 22(1), 19-23 CODEN: MLBOEO; ISSN: 1073-6085
- PB Humana Press Inc.
- DT Journal
- LA English
- IT 4193-55-9
 - RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses) (gel diffusion assay for visualization and quantification of chitinase activity)
- RN 4193-55-9 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

•2 Na

PAGE 1-B

— cн₂- он

RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 112 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2002:764799 CAPLUS
- DN 138:349293
- TI Peroral infection of nucleopolyhedrovirus non-occluded viral particle of Bombyx mori L. aided by a fluorescent brightener
- AU Arakawa, Toru; Furuta, Yoji; Kubomura, Yasue; Kato, Masao; Hayasaka, Shoji
- CS National Institute of Agrobiological Resources, Tsukuba-shi, Ibaraki, 305-8634, Japan

SO Nippon Sanshigaku Zasshi (2002), 71(2), 101-105 CODEN: NISZAQ; ISSN: 0037-2455

PB Nippon Sanshi Gakkai

DT Journal

LA Japanese

IT 4193-55-9, Tinopal UNPA-GX

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(peroral infection of nucleopolyhedrovirus non-occluded viral particle of Bombyx mori L aided by fluorescent brightener)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂— он

L4 ANSWER 113 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:747507 CAPLUS

DN 137:286458

TI Ink-jet recording sheets giving images with good appearance and water and light resistance

IN Torii, Nobuhiro

PA Mitsubishi Paper Mills, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 9 pp. CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI JP 2002283706	A2	20021003	JP 2001-86892	20010326	
PRAI JP 2001-86892		20010326			

IT 17958-73-5, Fluorescent Brightener 85

RL: TEM (Technical or engineered material use); USES (Uses) (fluorescent brightener; ink-jet recording sheets giving images with good appearance and water and light resistance)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

NH-CH2-CH2-OH

L4 ANSWER 114 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:654537 CAPLUS

DN 137:170773

TI Manufacture of water-soluble films for packaging laundry products

IN Ide, Kazutoshi; Nishimura, Hiroshi

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
PI	JP 2002241797	A2	20020828	JP 2001-43894	20010220		
PRAI	JP 2001-43894		20010220				

IT 16090-02-1, Whitex SA

RL: MOA (Modifier or additive use); USES (Uses)

(detergent composition for water-soluble film packaged laundry products)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4ANSWER 115 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:651276 CAPLUS

137:381472 DN

TIInteraction between carbohydrate residues of $\alpha 1$ -acid glycoprotein (orosomucoid) and progesterone. A fluorescence study

ΑU De Ceukeleire, Melanie; Albani, Jihad Rene

CS Laboratoire de Biophysique Moleculaire, Universite des Sciences et Technologies de Lille, Villeneuve d'Ascq, 59655, Fr. Carbohydrate Research (2002), 337(15), 1405-1410

so CODEN: CRBRAT; ISSN: 0008-6215

PB Elsevier Science Ltd.

DT Journal

English LΑ

IT 4193-55-9

> RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(Calcofluor White; fluorescence study using calcofluor white as probe addresses interaction between carbohydrate residues of α 1-acid glycoprotein and progesterone)

RN 4193-55-9 CAPLUS

CNBenzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

PAGE 1-B

— cн₂- он

RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 116 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:650146 CAPLUS

DN 137:170753

TI Manufacture of water-soluble films laminated with water-soluble fibers for packaging laundry products

IN Ide, Kazutoshi; Nishimura, Hiroshi

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 9 pp. CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE ·
					
ΡI	JP 2002241798	A2	20020828	JP 2001-43895	20010220
PRAI	JP 2001-43895		20010220		

IT 16090-02-1, Whitex SA

RL: MOA (Modifier or additive use); USES (Uses)

(manufacture of water-soluble films laminated with water-soluble fibers for packaging laundry detergent)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 117 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:586510 CAPLUS

DN 138:283475

TI In situ visualisation of fungi in soil thin sections: problems with crystallisation of the fluorochrome FB 28 (Calcofluor M2R) and improved staining by SCRI Renaissance 2200

AU Harris, Kirsty; Crabb, David; Young, Iain M.; Weaver, Howard; Gilligan, Christopher A.; Otten, Wilfred; Ritz, Karl

CS Soil-Plant Dynamics Unit, Scottish Crop Research Institute, Invergowrie, Dundee, DD2 5DA, UK

SO Mycological Research (2002), 106(3), 293-297

CODEN: MYCRER; ISSN: 0953-7562

PB Cambridge University Press

DT Journal

LA English

IT 16090-02-1

RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)

(C.I. Fluorescent Brightener 71; in situ visualisation of fungi in soil thin sections, problems with crystallization of fluorochrome FB 28 (Calcofluor

M 2R) and evaluation of other fluorescent stains)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

IT 4193-55-9

RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)

(Calcofluor M 2R; in situ visualisation of fungi in soil thin sections, problems with crystallization of fluorochrome FB 28 (Calcofluor M 2R) and evaluation of other fluorescent stains)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

PAGE 1-B

— cн₂- он

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 118 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:585721 CAPLUS

DN 137:110898

TI Process for manufacture of powdered detergent compositions which contain optical brighteners

IN Polotti, Gianmarco; Coccia, Maria Gabriella

PA 3V Sigma S.p.A., Italy

SO Ital., 38 pp. CODEN: ITXXBY

DT Patent

LA Italian

FAN.CNT 1

	J. 1				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	IT 1301718	B1	20000707	IT 1998-MI1365	19980616
	IT 98MI1365	A1	19991216		
PRAI	IT 1998-MI1365		19980616		
	105 11000				

OS MARPAT 137:110898

IT 16090-02-1, Optiblanc 2MG

RL: TEM (Technical or engineered material use); USES (Uses)

(optical brightener; manufacture of powdered detergent compns. by mixing

with

powdered optical brighteners)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 119 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:539784 CAPLUS

DN 137:110527

TI Optical brighteners compositions, their production and their use

IN Farrar, John Martin; Jackson, Andrew Clive; Tindal, Alec Stewart

PA Clariant International Ltd., Switz.

SO PCT Int. Appl., 31 pp.

CODEN: PIXXD2

DT Patent LΑ English FAN.CNT 1

	PATENT NO.					KIND DATE			APPLICATION NO.					DATE					
PI	WO	2002	0556	 46		A1 2002071		0718	WO 2002-IB39						20020108				
		W:	ΑU,	BR,	CA,	CN,	JP,	NO,	US,	ZA									
		RW:		BE, SE,		CY,	DE,	DK,	ES,	FI,	FF	₹,	GB,	GR,	IE,	IT,	LU,	MC,	NL,
	CA	2426	776			AA		2002	0718	-	CA	20	02-	2426	776		2	0020	108
	ΕP	1352	046			A 1		2003	1015		ΕP	20	02-	7293	69		2	0020	108
		R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GF	٦,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
			IE,	FI,	CY,	TR													
	BR	2002	0063	55		Α		2003	1223		BR	20	02-	6355			2	0020	108
	JP	2004	5179	88		Т2		2004	0617		JP	20	02-	5566	98		2	0020	108
	NO	2003	0019	70		Α		2003	0710		NO	20	03-	1970			2	0030	430
	zA	2003	0035	19		Α		2004	0507		ZA	20	03-3	3519			2	0030	507
	US	2004	0740	21		A 1		2004	0422		US	20	03-4	45183	18		2	0030	625
	US	6890	454			B2		2005	0510										
PRAI	GB	2001-	-610			Α		2001	0110										
	WO	2002-	-IB3	9		W		2002	0108										
os	MAI	RPAT :	137:	1105	27														

442681-90-5P 442681-91-6P 442681-93-8P IT

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (production and use of optical brighteners compns.)

RN442681-90-5 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-amino-3-CN oxopropyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, sodium salt, compd. with 2,2',2''-nitrilotris[ethanol] (9CI) (CA INDEX NAME)

CM 1

CRN 66085-71-0

CMF C42 H46 N14 O10 S2

PAGE 1-B

--- NHPh

CM 2

CRN 102-71-6 CMF C6 H15 N O3

$$\begin{array}{c} \text{CH}_2-\text{CH}_2-\text{OH} \\ | \\ \text{HO-CH}_2-\text{CH}_2-\text{N-CH}_2-\text{CH}_2-\text{OH} \end{array}$$

RN 442681-91-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, sodium salt, compd. with 2,2',2''-nitrilotris[ethanol] (9CI) (CA INDEX NAME)

CM 1

CRN 4404-43-7 CMF C40 H44 N12 O10 S2

PAGE 1-B

— cн₂— он

CM 2

CRN 102-71-6 CMF C6 H15 N O3

RN 442681-93-8 CAPLUS

CN Benzenesulfonic acid, 5-[[4-[(3-amino-3-oxopropyl)(2-hydroxyethyl)amino]-6-

(phenylamino)-1,3,5-triazin-2-yl]amino]-2-[2-[4-[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]-, sodium salt, compd. with 2,2',2''-nitrilotris[ethanol] (9CI) (CA INDEX NAME)

CM 1

CRN 442681-92-7

CMF C41 H45 N13 O10 S2

PAGE 1-B

— cн₂— cн₂— он

- NHPh

CM 2

CRN 102-71-6 CMF C6 H15 N O3

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 120 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2002:539669 CAPLUS
- DN 137:95166
- TI Preparation of 4,4'-bis(triazinylamino)-stilbene-2,2'-disulfonic acid compounds
- IN Metzger, Georges; Reinehr, Dieter; Sauter, Hanspeter; Dbaly, Helena
- PA Ciba Specialty Chemicals Holding Inc., Switz.
- SO PCT Int. Appl., 14 pp. CODEN: PIXXD2
- DT Patent
- LA English

FAN.	AN.CNT 1 PATENT NO.					KIND DATE			APPLICATION NO.						DATE			
ΡI	WO	2002	0555	09		A1		2002	0718		WO 2	002-	EP70			2	0020	107
		W:	ΑE,	AG,	AL,	AM,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,
								DK,										
			GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	ΚE,	KG,	KP,	KR,	ΚZ,	LC,	LK,	LR,
			LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	ΜX,	MZ,	NO,	NZ,	OM,	PH,
								SE,										
			UA,	UG,	US,	UZ,	VN,	YU,	ZA,	ZM,	ZW,	AM,	ΑZ,	BY,	KG,	ΚZ,	MD,	RU,
			TJ,															
		RW:						MZ,										
								FR,										
			BF,	ВJ,	CF,	CG,		CM,									TD,	TG
	ΕP	1358	166			- A 1		2003	1105		EP 2	002-	7153	96		2	0020	107
		R:						ES,					LI,	LU,	NL,	SE,	MC,	PT,
					LT,	LV,		RO,			ΑL,	TR						
		2002				Α		2004			BR 2					20	0020	107
		2004									JP 2	002-	5561	79		20	0020	107
		2004								•	US 2	003-	2508	43		20	0030.	707
PRAI		2001																
		2002		_				2002										
os		SREAC			•			137:	9516	5								
ΙT		166-5	-				-											
	RL:	IMF	(In	dust:	rial	manı	ıfac	ture); PI	REP	(Pre	para	tion)				
		(pre		tion	of	4,4'-	-bis	(tria	aziny	ylam	ino)-	-sti	lbene	e-2,2	2'-di	isuli	foni	cacid
RN	924	166-5	1-8	CAP	LUS													
CN	Ber	nzene	sulf	onic	acio	d, 2,	2'-	(1,2-	-ethe	ened.	iyl)l	ois[5-[[4	4-[(2	2-			
																heny	/1]ar	nino]-
	1,3	3,5-t	riaz	in-2	-yl]a	amino) – ,	disc	odiur	n sa	lt (9	9CI)	(CZ	A INI	DEX 1	IAME)		

PAGE 1-A

PAGE 1-B

RN 203250-74-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-[[4-[(methylamino)carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 121 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2002:531785 CAPLUS
- DN 137:221560
- TI Fluorescent Whitening Agents in Tokyo Bay and Adjacent Rivers: Their Application as Anthropogenic Molecular Markers in Coastal Environments
- AU Hayashi, Yuko; Managaki, Satoshi; Takada, Hideshige
- CS Faculty of Agriculture, Laboratory of Organic Geochemistry, Tokyo University of Agriculture and Technology, Fuchu, Tokyo, 183-8509, Japan
- SO Environmental Science and Technology (2002), 36(16), 3556-3563 CODEN: ESTHAG; ISSN: 0013-936X
- PB American Chemical Society
- DT Journal
- LA English
- IT 16090-02-1 24231-46-7 RL: POL (Pollutant); OCCU (Occurrence)

(fluorescent whitening agents in Tokyo Bay, Japan, and adjacent waters and their application as anthropogenic mol. markers in coastal environments)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 122 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:487809 CAPLUS

DN 137:48911

TI Fabric dry cleaning system using densified CO2

IN Kevelam, Jan; Koppert, Remco Johannes; Smit, Irene Erica

PA Unilever N.V., Neth.; Unilever PLC; Hindustan Lever Ltd.

SO PCT Int. Appl., 29 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.				KIND DATE			APPLICATION NO.						DATE				
PI	WO	2002				A1	_	2002	0627	,	WO 2	 001-	- - EP13	040		2	0011	108
		W:	ΑE,	AG,	AL,	AM,	AT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,
			co,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GE,	GH,
			GM,	HR,	HU,	ID,	ΙL,	IN,	IS,	JP,	ΚE,	KG,	ΚP,	KR,	ΚZ,	LC,	LK,	LR,
			LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	NZ,	PH,	PL,
			PT,	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL,	ТJ,	TM,	TR,	TT,	TZ,	UA,	UG,
			UZ,	VN,	YU,	ZA,	ZW,	AM,	ΑZ,	BY,	KG,	ΚZ,	MD,	RU,	TJ,	TM		
		RW:	GH,	GM,	ΚE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZW,	AT,	BE,	CH,	CY,
			DE,	DK,	ES,	FI,	FR,	GB,	GR,	ΙE,	ΙT,	LU,	MC,	NL,	PT,	SE,	TR,	BF,
								GΑ,										
	AU	2002	0206	95		A 5		2002	0701	7	AU 2	002-	2069	5	•	20	0011	108

EP 1343932 20030917 EP 2001-271092 **A**1 20011108 EP 1343932 В1 20040818 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR AT 274095 20040915 AT 2001-271092 Ε 20011108 ES 2223735 Т3 20050301 ES 2001-1271092 20011108 PRAI EP 2000-204681 Α 20001220 WO 2001-EP13040 W 20011108 4193-55-9, Tinopal UNPA-GX TT RL: TEM (Technical or engineered material use); USES (Uses)

(dry cleaning system using densified CO2)

RN 4193-55-9 CAPLUS
CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

--- cн₂-- он

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 123 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:463163 CAPLUS

DN 137:7824

TI Use of UV absorbers for suppressing the fluorescence of textile fiber materials treated with fluorescent whitening agents

IN Reinehr, Dieter; Eckhardt, Claude; Metzger, Georges; Kramer, Hans; Schaumann, Monika

PA Ciba Specialty Chemicals Holding Inc., Switz.

SO PCT Int. Appl., 40 pp. CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 2000077290 A2 20001221 WO 2000-EP5039 20000602
WO 2000077290 A3 20010712

```
AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,
             CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,
             ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,
             LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD,
             SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU,
             ZA, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG,
             KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR,
             IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW,
             ML, MR, NE, SN, TD, TG
                                20001221
     CA 2373902
                                             CA 2000-2373902
                          AA
                                                                    20000602
     BR 2000011494
                          Α
                                20020305
                                             BR 2000-11494
                                                                    20000602
     EP 1192309
                          A2
                                20020403
                                            EP 2000-943756
                                                                    20000602
             AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO
     JP 2003502517
                          Т2
                                20030121
                                            JP 2001-503727
                                                                    20000602
PRAI EP 1999-810515
                          Α
                                19990611
     WO 2000-EP5039
                          W
                                20000602
os
     MARPAT 137:7824
ΙT
     16090-02-1 433304-60-0
     RL: MOA (Modifier or additive use); USES (Uses)
        (UV absorbers; use of UV absorbers for suppressing fluorescence of
        textile fiber materials treated with fluorescent whitening agents)
RN
     16090-02-1 CAPLUS
CN
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-
     (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI)
     NAME)
```

•2 Na

RN 433304-60-0 CAPLUS

CN L-Aspartic acid, N,N'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[(4-acetylphenyl)amino]-1,3,5-triazine-4,2-diyl]]]bis-, hexasodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry unknown.

PAGE 1-A

●6 Na

PAGE 1-B

ANSWER 124 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

AN 2002:392133 CAPLUS

DN 136:398164

ΤI Method for detecting chitin-containing organisms

Burns, Edward R.; Wittner, Murray; Faskowitz, Fagie IN

Albert Einstein College of Medicine of Yeshiva University, USA PA

SO U.S. Pat. Appl. Publ., 4 pp., Cont.-in-part of U.S. Ser. No. 971,384. CODEN: USXXCO

DΤ Patent

LΑ English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PΙ	US 2002061278	A 1	20020523	US 1998-193923	19981117
	US 5997846	Α	19991207	US 1997-971384	19971117
	US 2002182153	A1	20021205	US 2002-200984	20020722
	US 6875421	B2	20050405		
PRAI	US 1997-971384	A2	19971117		
	US 1998-193923	A 1	19981117		
TΨ	4193-55-9 Calcofl	uar Whit	-a M 2D		

4193-55-9, Calcofluor White M 2R

RL: ARG (Analytical reagent use); BUU (Biological use, unclassified); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(fluorometric detection of chitin-containing organisms)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 125 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:312004 CAPLUS

DN 136:327428

TI Liquid detergent composition

IN Smadi, Raeda; Smith, George A.; Cho, Suk H.

PA Melaleuca, Inc, USA

SO U.S., 11 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

PAT	ENT NO.	KIND	DATE	APPLICATION NO.	DATE
PRAI US	6376446 1999-115870P	B1 P	20020423 19990113	us 2000-481425	20000112
	90-02-1, Optibla TEM (Technical (liquid detergen	or engi		rial use); USES (Uses)	

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RE.CNT 60 THERE ARE 60 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 126 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2002:295719 CAPLUS
- DN 139:113857
- TI Assessment of fluorochromes for two-photon laser scanning microscopy of biofilms. [Erratum to document cited in CA136:275530]
- AU Neu, Thomas R.; Kuhlicke, Ute; Lawrence, John R.
- CS Department of Inland Water Research Magdeburg, UFZ Centre for Environmental Research, Magdeburg, 39114, Germany
- SO Applied and Environmental Microbiology (2002), 68(4), 2093 CODEN: AEMIDF; ISSN: 0099-2240
- PB American Society for Microbiology
- DT Journal
- LA English
- IT 4193-55-9, Calcofluor White M 2R
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 - (assessment of fluorochromes for two-photon laser scanning microscopy of biofilms (Erratum))
- RN 4193-55-9 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

PAGE 1-B

— cн₂- он

L4 ANSWER 127 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:278016 CAPLUS

DN 136:301577

TI Organic electroluminescent device with oriented transition dipole moment

Imanishi, Yasuo IN

PA Hitachi Ltd., Japan

Jpn. Kokai Tokkyo Koho, 29 pp. SO

CODEN: JKXXAF

DTPatent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
							
PΙ	JP 2002110363	A2	20020412	JP 2000-302817	20000929		
	US 2002061418	A1	20020523	US 2001-791835	20010226		
	US 6828042	B2	20041207				
	US 2005089720	A1	20050428	US 2004-979187	20041103		
PRAI	JP 2000-302817	Α	20000929				
	US 2001-791835	A1	20010226				
ፐጥ	1193-55-9						

IT 4193-55-9

RL: DEV (Device component use); USES (Uses)

(organic electroluminescent device with oriented transition dipole moment)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

2 Na

- L4 ANSWER 128 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2002:239476 CAPLUS
- DN 137:46866
- TI Specific features of photolysis of optical bleachers of various chemical nature in a polyvinyl alcohol matrix
- AU Ponomareva, R. P.; Studzinskii, O. P.
- CS Mechnikov St. Petersburg State Medical Academy, St. Petersburg, Russia
- SO Russian Journal of General Chemistry (Translation of Zhurnal Obshchei Khimii) (2001), 71(10), 1616-1619
 CODEN: RJGCEK; ISSN: 1070-3632
- PB MAIK Nauka/Interperiodica Publishing
- DT Journal
- LA English
- IT 20579-01-5
 - RL: PRP (Properties); RCT (Reactant); RACT (Reactant or reagent) (bleaching agent; specific features of photolysis of optical bleachers of various chemical nature in a polyvinyl alc. matrix)
- RN 20579-01-5 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 129 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2002:237656 CAPLUS
- DN 137:113745
- TI Interactive toxicity evaluation of water pollutants from domestic wastewater using baker's yeast (Saccharomyces cerevisiae)
- AU Ida, Hiroyuki; Aoyama, Isao
- CS Research Institute for Bioresources, Okayama University, 2-20-1 Chuo, Kurashiki, 710-0046, Japan
- SO Mizu Kankyo Gakkaishi (2001), 24(12), 844-849 CODEN: MKGAEY; ISSN: 0916-8958
- PB Nippon Mizu Kankyo Gakkai
- DT Journal
- LA Japanese
- IT 16090-02-1, DAS 1
 - RL: ADV (Adverse effect, including toxicity); POL (Pollutant); BIOL (Biological study); OCCU (Occurrence)
 - (wastewater containing whitener; interactive toxicity evaluation of pollutants from domestic wastewater using baker's yeast)
- RN 16090-02-1 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

salt (9CI) (CA INDEX NAME)

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L4
     ANSWER 130 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
ΑN
     2002:172192 CAPLUS
DN
     136:218510
ΤI
     Process for controlling the brightness of paper products
     Tindal, Alec Stewart
IN
PA
     Clariant Finance (Bvi) Limited, Virgin I. (Brit.); Clariant International
SO
     PCT Int. Appl., 15 pp.
     CODEN: PIXXD2
DΤ
     Patent
LΑ
     English
FAN.CNT 1
     PATENT NO.
                         KIND
                                DATE
                                            APPLICATION NO.
                                                                    DATE
PΙ
                                20020307
     WO 2002018705
                          A1
                                            WO 2001-IB1608
                                                                    20010831
         W: BR, CN, JP, KR, US, ZA
         RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
             PT, SE, TR
     EP 1315864
                          Α1
                                20030604
                                            EP 2001-961018
         R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, FI, CY, TR
     BR 2001013569
                          Α
                                20030715
                                             BR 2001-13569
                                                                    20010831
     ZA 2003000347
                          Α
                                20040318
                                            ZA 2003-347
                                                                    20030113
     US 2003188393
                          Α1
                                20031009
                                            US 2003-363005
                                                                    20030226
PRAI GB 2000-21404
                                20000901
                          Α
     WO 2001-IB1608
                          W
                                20010831
     4193-55-9, C.I. Fluorescent Brightener 28
IT
     RL: CPS (Chemical process); PEP (Physical, engineering or chemical
     process); TEM (Technical or engineered material use); PROC (Process); USES
     (Uses)
        (process for controlling the brightness of paper products)
RN
     4193-55-9 CAPLUS
CN
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-
     hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium
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PAGE 1-A

●2 Na

PAGE 1-B

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RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L4 ANSWER 131 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
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AN 2002:171605 CAPLUS

DN 136:212324

TI Fluorescent tracers to monitor application of treatment products to cut flowers

IN Nieuwenhuis, Heleen; Janssen, Jan Am; Hoots, John E.

PA Ondeo Nalco Company, USA

SO PCT Int. Appl., 19 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN. CNT 1

FAN.	CNT 1																	
	PATE	NT N	10.			KIN	D	DATE								DATE		
ΡI	WO 2	0020	1177	17		7 T	- ,	2002	0207							20010705		
11																		
		W:	ΑE,	AG,	AL,	AM,	ΑT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	ΒZ,	CA,	CH,	CN,
			co,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GE,	GH,
			GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	ΚE,	KG,	KP,	KR,	KZ,	LC,	LK,	LR,
								MD,										
			RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL,	TJ,	TM,	TR,	TT,	TZ,	UA,	UG,	UZ,
								ΑZ,										
		RW:	GH,	GM,	ΚE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZW,	ΑT,	BE,	CH,	CY,
			DE,	DK,	ES,	FΙ,	FR,	GB,	GR,	IE,	IT,	LU,	MC,	NL,	PT,	SE,	TR,	BF,
			ВJ,	CF,	CG,	CI,	CM,	GΑ,	GN,	GW,	ML,	MR,	NE,	SN,	TD,	TG		
	US 6	4722	219			B1		2002	1029	1	US 2	000-	6523	9		20	00008	831
	AU 2	0010	7186	58		A 5		2002	0313	1	AU 2	001-	7186	3		20	0010	705
PRAI	US 2	000-	-6523	309		Α		2000	0831									
	WO 2	001-	·US2	1397		W		2001	0705									
ΙT	4193	-55-	-9, I	Keyf.	luor	Whit	te S	T										
	RL:	BUU	(Bio	olog:	ical	use.	. un	class	sifie	: 1be	BTO	L (B	iolo	ri ca	l sti	idvl	. 1191	ES.

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(Keyfluor White ST; fluorescent tracer to monitor application of treatment products to cut flowers)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

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IT 32694-95-4, Sandoz TH 40

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(Sandoz TH 40; fluorescent tracer to monitor application of treatment products to cut flowers)

RN 32694-95-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

IT 169762-28-1, Tinopal 5BM-GX

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(fluorescent tracer to monitor application of treatment products to cut flowers)

RN 169762-28-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(aminomethyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

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RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 132 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2002:160571 CAPLUS
- DN 136:224237
- TI Ink-jet printing sheet using coating solution manufactured at controlled temperature
- IN Torii, Nobuhiro
- PA Mitsubishi Paper Mills, Ltd., Japan
- SO Jpn. Kokai Tokkyo Koho, 7 pp. CODEN: JKXXAF
- DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
 JP 2002067478 JP 2000-257733	A2	20020305 20000828	JP 2000-257733	20000828		

IT 17958-73-5

RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)

(Fluorescent 85; coating solution containing fluorescent brightener and dimethylamine-epichlorohydrin condensate for ink jet printing sheet)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

— NH— CH2— CH2— ОН

L4 ANSWER 133 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:120634 CAPLUS

DN 137:24001

TI Fluorescence analysis of a standard fulvic acid and tertiary treated wastewater

AU Westerhoff, Paul; Chen, Wen; Esparza, Mario

CS Department of Civil and Environmental Engineering, Arizona State University, Tempe, AZ, USA

SO Journal of Environmental Quality (2001), 30(6), 2037-2046 CODEN: JEVQAA; ISSN: 0047-2425

PB American Society of Agronomy

DT Journal

LA English

IT 169762-28-1, Tinopal 5BM-GX

RL: ARU (Analytical role, unclassified); POL (Pollutant); ANST (Analytical study); OCCU (Occurrence)

(fluorescence anal. of standard fulvic acid and tertiary treated wastewater)

RN 169762-28-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(aminomethyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$H_2N-CH_2$$
 H_2N-CH_2
 H_2N-CH_2

●2 Na

PAGE 1-B

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RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 134 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:109435 CAPLUS

DN 136:275530

TI Assessment of fluorochromes for two-photon laser scanning microscopy of biofilms

AU Neu, Thomas R.; Kuhlicke, Ute; Lawrence, John R.

CS Department of Inland Water Research Magdeburg, UFZ Centre for Environmental Research Leipzig-Halle, Magdeburg, 39114, Germany

SO Applied and Environmental Microbiology (2002), 68(2), 901-909 CODEN: AEMIDF; ISSN: 0099-2240

PB American Society for Microbiology

DT Journal

LA English

IT 4193-55-9, Calcofluor White M 2R

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(assessment of fluorochromes for two-photon laser scanning microscopy of biofilms)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

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RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 135 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:58059 CAPLUS

DN 136:359198

TI Interaction of fluorescent dyes and organic contaminants - laboratory and field experiments

AU Herfort, M.; Ptak, T.

CS Friedrich-Schiller-University of Jena, Germany

New Approaches Characterizing Groundwater Flow, Proceedings of the International Association of Hydrogeologists Congress, 31st, Munich, Germany, Sept. 10-14, 2001 (2001), Volume 1, 103-106. Editor(s): Seiler, Klaus-Peter; Wohnlich, Stefan. Publisher: A. A. Balkema, Rotterdam, Neth. CODEN: 69CFI2; ISBN: 90-2651-848-X

DT Conference

LA English

IT 16090-02-1, Tinopal DMS-X

RL: GOC (Geological or astronomical occurrence); OCCU (Occurrence) (interaction of fluorescent dyes and organic contaminants and laboratory and field expts.)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-etheńediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 136 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2001:900572 CAPLUS

DN 136:39163

TI Detergent compositions

IN Yamada, Isao

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp. CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

P	ATENT NO.	KIND	DATE	APPLICATION NO.	DATE
		-			
PI J	P 2001342495	A2	20011214	JP 2000-167467	20000605
PRAI J	P 2000-167467		20000605		

OS MARPAT 136:39163

IT 35632-99-6, Blankophor HRS

RL: TEM (Technical or engineered material use); USES (Uses) (fluorescent brighteners; detergent composition)

RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

- L4 ANSWER 137 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2001:900188 CAPLUS
- DN 136:39140
- TI A process of treating fabrics with a detergent tablet comprising an ion exchange resin
- IN Esposito, Andrea; Del Duca, Valerio; Zanzazzi, Silvia
- PA The Procter & Gamble Company, USA
- SO Eur. Pat. Appl., 36 pp. CODEN: EPXXDW
- DT Patent
- LA English

FAN.CNT 1

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PATENT NO.
                       KIND
                               DATE
                                          APPLICATION NO.
                                                                   DATE
                         ____
                               _____
                                            -----
PΙ
     EP 1162257
                         A1
                               20011212
                                          EP 2000-870123
                                                                   20000609
     EP 1162257
                         В1
                               20060222
         R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, CY
                               20060315
     AT 318299
                         Ε
                                           AT 2000-870123
                                                                  20000609
     WO 2001096522
                         A1
                               20011220
                                          WO 2001-US17713
                                                                  20010601
        W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
            CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,
            HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,
            LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,
            RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN,
            YU, ZA, ZW
        RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
            DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     BR 2001011510
                               20030708 BR 2001-11510
                         Α
                                                                  20010601
     JP 2004503687
                         T2
                               20040205
                                           JP 2002-510642
                                                                  20010601
    US 2002028757
                         A1
                               20020307
                                           US 2001-876485
                                                                  20010607
PRAI EP 2000-870123
                         Α
                               20000609
    WO 2001-US17713
                         W
                               20010601
     20579-01-5, Fluorescent Brightener 49
TT
     RL: NUU (Other use, unclassified); USES (Uses)
        (detergent tablet component; dissolvable laundry detergent tablet based
       on ion exchange resin and cellulose derivative and bleach and enzymes
       usable in washing machines)
RN
    20579-01-5 CAPLUS
    Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-
CN
```

•2 Na

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

L4ANSWER 138 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN AN 2001:868592 CAPLUS DN 136:7642 ΤI Stable solutions of anionic dyes, their production and their use Malisz, Jacek; Kaeser, Adolf; Kaufel, Rainer; Lautenbach, Holger; Polley, IN Elke; Hoffmann, Martina PA Ciba Specialty Chemicals Holding Inc., Switz. PCT Int. Appl., 19 pp. SO CODEN: PIXXD2 DT Patent LΑ English FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

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PΙ
     WO 2001090257
                            A2
                                  20011129
                                               WO 2001-EP5796
                                                                        20010521
     WO 2001090257
                            А3
                                  20020404
             AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
              GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
              LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT,
              RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,
              UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
              DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
              BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     CA 2409364
                           AΑ
                                  20011129
                                               CA 2001-2409364
                                                                        20010521
     EP 1283856
                           A2
                                  20030219
                                               EP 2001-956440
                                                                        20010521
             AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
              IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     BR 2001011103
                                  20030318
                                               BR 2001-11103
                           Α
                                                                        20010521
     JP 2003534436
                           T2
                                  20031118
                                               JP 2001-587059
                                                                        20010521
     US 2003164475
                           A1
                                  20030904
                                               US 2002-296108
                                                                        20021122
     US 6860906
                           B2
                                  20050301
     ZA 2002009559
                           Α
                                  20030729
                                               ZA 2002-9559
                                                                        20021125
PRAI EP 2000-810462
                           Α
                                  20000526
     WO 2001-EP5796
                           W
                                  20010521
     MARPAT 136:7642
OS
IT
     4193-55-9P 238419-95-9P
     RL: IMF (Industrial manufacture); PUR (Purification or recovery); PREP
     (Preparation)
        (fluorescent brightener; production of stable solns. or suspensions of
        anionic fluorescent brighteners)
RN
     4193-55-9 CAPLUS
CN
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-
     hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium
     salt (9CI)
                (CA INDEX NAME)
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●2 Na

PAGE 1-B

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RN 238419-95-9 CAPLUS

CN L-Aspartic acid, N,N'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-(phenylamino)-1,3,5-triazine-4,2-diyl]]]bis-, hexasodium salt (9CI) (CA

INDEX NAME)

Absolute stereochemistry.

Double bond geometry unknown.

HO2C S NH SO3H HO3S H N NHPh

●6 Na

PAGE 1-B

CO2H

PAGE 1-A

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L4 ANSWER 139 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2001:801666 CAPLUS

DN 136:33295

TI Comparative field stability of selected entomopathogenic virus formulations

AU McGuire, M. R.; Tamez-Guerra, P.; Behle, R. W.; Streett, D. A.

CS Bioactive Agents Research Unit, National Center for Agricultural Utilization Research, USDA-REE-ARS, Peoria, IL, 61604-3902, USA

SO Journal of Economic Entomology (2001), 94(5), 1037-1044 CODEN: JEENAI; ISSN: 0022-0493

PB Entomological Society of America

DT Journal

LA English

IT 16090-02-1, Blankophor BBH RL: MOA (Modifier or additive use); USES (Uses)

(stability of entomopathogenic nucleopolyhedroviruses formulated with)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 140 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2001:788321 CAPLUS

DN 136:397321

TI Optical brighteners as ultraviolet protectants and as enhancers in pathogenicity of Spodoptera litura (Fabricius) (Lep., Noctuidae) nucleopolyhedrovirus

AU Monobrullah, Md.; Nagata, Masao

CS Department of Agricultural and Environmental Biology, The University of Tokyo, Tokyo, Japan

SO Journal of Applied Entomology (2001), 125(7), 377-382 CODEN: JOAEEB; ISSN: 0931-2048

PB Blackwell Wissenschafts-Verlag GmbH

DT Journal

LA English

IT 16090-02-1, Blankophor DML

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(Blankophor BBH, Blankophor DML; optical brighteners: UV protectants and effect on Spodoptera litura nucleopolyhedrovirus action against S. litura larvae)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

IT 35632-99-6

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(Blankophor HRS, Blankophor RKH; optical brighteners: UV protectants and effect on Spodoptera litura nucleopolyhedrovirus action against S. litura larvae)

RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

IT 4193-55-9, Tinopal LPW

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(optical brighteners: UV protectants and effect on Spodoptera litura nucleopolyhedrovirus action against S. litura larvae)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

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RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 141 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2001:682270 CAPLUS
- DN 135:367974
- TI Fluorescent brighteners improve Anticarsia gemmatalis (Lepidoptera: Noctuidae) nucleopolyhedrovirus (AgMNPV) activity on AgMNPV-susceptible and resistant strains of the insect
- AU Morales, Lauro; Moscardi, Flavio; Sosa-Gomez, Daniel R.; Paro, Fabio E.; Soldorio, Ivanilda L.
- CS Emater Parana/UFPR, Londrina, 86001-970, Brazil
- SO Biological Control (2001), 20(3), 247-253

CODEN: BCIOEB; ISSN: 1049-9644

PB Academic Press

DT Journal

LA English

IT 35632-99-6

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(Blankophor HRS, Blankophor RKH; fluorescent brighteners improve the bioinsecticidal activity of Anticarsia gemmatalis nucleopolyhedrovirus)

RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

IT 4193-55-9

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (Tinopal LPW, Tinopal UNPA-GX; fluorescent brighteners improve the bioinsecticidal activity of Anticarsia gemmatalis nucleopolyhedrovirus)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

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IT 16090-02-1, Blankophor BBH

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (fluorescent brighteners improve the bioinsecticidal activity of Anticarsia gemmatalis nucleopolyhedrovirus)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-

(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 142 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2001:629672 CAPLUS

DN 135:252863

TI Comparison of different life-cycle impact assessment methods for aquatic ecotoxicity

AU Schulze, Carsten; Jodicke, Almut; Scheringer, Martin; Margni, Manuele; Jolliet, Olivier; Hungerbuhler, Konrad; Matthies, Michael

CS Institut fur Umweltsystemforschung, Universitat Osnabruck, Osnabruck, D-49069, Germany

SO Environmental Toxicology and Chemistry (2001), 20(9), 2122-2132 CODEN: ETOCDK; ISSN: 0730-7268

PB SETAC Press

DT Journal

LA English IT 16090-02-1

RL: ADV (Adverse effect, including toxicity); ANT (Analyte); POL (Pollutant); ANST (Analytical study); BIOL (Biological study); OCCU

(aquatic toxicity assay and comparison of different life-cycle impact assessment methods)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2!-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

RE.CNT 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 143 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

10/519,031

AN 2001:625829 CAPLUS

DN 136:120052

TI Inhibition of light-induced color reversion by diaminostilbene derivatives fluorescent whitening agents -- molecular simulation correlation

AU Bourgoing, Steve; Robert, Sylvain

CS Centre de Recherche en Pates et Papiers, Universite du Quebec a Trois-Rivieres, QC, G9A 5H7, Can.

SO Preprint - PAPTAC Annual Meeting, 87th, Montreal, QC, Canada, Jan. 30-Feb. 1, 2001 (2001), Volume Book B, B47-B54 Publisher: PAPTAC, Montreal, Que. CODEN: 69BSJ3

DT Conference

LA English

IT 4193-55-9 27344-06-5

RL: MOA (Modifier or additive use); USES (Uses)
 (mol. simulation correlation of pulp photoyellowing prevention by
 diaminostilbene derivative brighteners)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

 $-cH_2-oH$

RN 27344-06-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-amino-3-oxopropyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

NHPh

RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4ANSWER 144 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2001:579413 CAPLUS

DN 135:160118

Silver halide photographic element with fluorescent security pattern ΤI

Yabuki, Yoshiharu; Watanabe, Toshihiro IN

PA Fuji Photo Film Co., Ltd., Japan

Jpn. Kokai Tokkyo Koho, 22 pp. SO

CODEN: JKXXAF

DTPatent

LΑ Japanese

FAN.CNT 1									
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE				
	JP 2001216493 JP 2000-25704	A2	20010810 20000202	JP 2000-25704	20000202				
os	S MARPAT 135:160118								
IT	16090-02-1 20579-01-5 24019-80-5								
	353272-19-2 353272-21-6								
	RL: DEV (Device component use); USES (Uses)								
	(photog. element with printed fluorescent security pattern made up of								
	aminostilbene)								
RN	16090-02-1 CAPLUS								

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX

NAME)

●2 Na

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

RN 24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B



CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, dilithium salt (9CI) (CA INDEX NAME)

PAGE 1-A

•2 Li

PAGE 1-B

- сн $_2$ - он

RN 353272-21-6 CAPLUS
CN Glycine, N,N'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-(phenylamino)-1,3,5-triazine-4,2-diyl]]]bis[N-methyl-, tetrapotassium salt (9CI) (CA INDEX NAME)

●4 K

PAGE 1-B

L4 ANSWER 145 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2001:561462 CAPLUS

DN 135:223700

TI Separation of stilbenes by capillary electrophoresis and high-performance liquid chromatography

AU Wang, Shu-Ping; Huang, Shih-Ping

CS Department of Applied Chemistry, Providence University, Taichung Hsien, 433, Taiwan

SO Electrophoresis (2001), 22(11), 2222-2230 CODEN: ELCTDN; ISSN: 0173-0835

PB Wiley-VCH Verlag GmbH

DT Journal

LA English

IT 4193-55-9 16090-02-1 31900-04-6

RL: PEP (Physical, engineering or chemical process); PROC (Process) (separation of stilbenes by capillary electrophoresis and high-performance liquid chromatog.)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

— cн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 146 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2001:544466 CAPLUS
- DN 135:243918
- TI Use of fluorescent whitening agents to inhibit light-induced color reversion of unbleached mechanical pulps
- AU Bourgoing, S.; Leclerc, E.; Martin, P.; Robert, S.
- CS Ctr. de Recherche en Pates et Papiers Univ. du Quebec a Trois-Rivieres, Trois-Rivieres, QC, G9A 5H7, Can.
- SO Journal of Pulp and Paper Science (2001), 27(7), 240-244 CODEN: JPUSDN; ISSN: 0826-6220
- PB Canadian Pulp and Paper Association, Technical Section
- DT Journal
- LA English
- IT 4193-55-9, Fluorescent Brightener 28

RL: MOA (Modifier or additive use); USES (Uses)

(use of fluorescent brighteners to inhibit light-induced color reversion and yellowing of unbleached mech. pulps)

- RN 4193-55-9 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 147 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2001:517822 CAPLUS

DN 135:94324

TI Storage-stable (semi)transparent fabric softening agent compositions

IN Hayashi, Hiromitsu; Ogura, Nobuyuki; Tagata, Shuji

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PΙ	JP 2001192965	A2	20010717	JP 2000-2937	20000111
PRAI	JP 2000-2937		20000111		

IT 16090-02-1

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(storage-stable (semi)transparent fabric softeners)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

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ANSWER 148 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
     2001:507912 CAPLUS
AN
DN
     135:93877
ΤI
     Improving the UV resistance of cellulosic fibre material
IN
     Haenzi, Diego; Donze, Jean-Jacques; Metzger, Georges; Joellenbeck, Martin
PA
     Ciba Specialty Chemicals Holding Inc., Switz.
SO
     PCT Int. Appl., 14 pp.
     CODEN: PIXXD2
DT
     Patent
LА
     English
FAN.CNT 1
     PATENT NO.
                         KIND
                                DATE
                                            APPLICATION NO.
                                                                    DATE
                         ____
ΡI
     WO 2001049924
                          A2
                                20010712
                                            WO 2001-EP52
                                                                    20010104
     WO 2001049924
                          Α3
                                20011206
         W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
             HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
             LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
             SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
             YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
PRAI EP 2000-810014
                          Α
                                20000107
OS . MARPAT 135:93877
IT
     4193-55-9
     RL: MOA (Modifier or additive use); USES (Uses)
        (fluorescent whitening agent; aminotriazine UV stabilizers for
        cellulosic fiber material)
RN
     4193-55-9 CAPLUS
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-
CN
     hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium
     salt (9CI) (CA INDEX NAME)
```

PAGE 1-A

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 149 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2001:503675 CAPLUS

DN 135:150196

TI Comparative pathogenesis of Helicoverpa zea S nucleopolyhedrovirus in noctuid larvae

AU Washburn, Jan O.; Wong, James F.; Volkman, Loy E.

CS Department of Plant and Microbial Biology, Berkeley, CA, 94720-3102, USA

SO Journal of General Virology (2001), 82(7), 1777-1784 CODEN: JGVIAY; ISSN: 0022-1317

PB Society for General Microbiology

DT Journal

LA English

IT 4193-55-9, Calcofluor White M 2R
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
 (comparative pathogenesis of Helicoverpa zea S nucleopolyhedrovirus in noctuid larvae)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2-N$
 $HO-CH_$

Na

PAGE 1-B

--- cн₂-- он

RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4ANSWER 150 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2001:463362 CAPLUS

DN 135:63056

TI Nonionic surfactant-based laundry cleaning compositions

IN Takahashi, Akira; Nomura, Hirotake; Sasaki, Hisaya

PALion Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LΑ Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	··································				
PI	JP 2001172681	A2	20010626	JP 1999-376820	19991221
DDAT	TD 1000-276020		10001001		

16090-02-1, Tinopal DMS-X

RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)

(Tinopal DMS-X, fluorescent whiteners; nonionic surfactant-based laundry cleaning compns.) 16090-02-1 CAPLUS

RN

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

NAME)

●2 Na

```
ANSWER 151 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
AN
     2001:453038 CAPLUS
     135:62638
DN
TI
     Allyl- and diallylaminotriazinylaminostilbene derivatives and their
     preparation their use as optical brightening agents
IN
     Wockenfuss, Bernd; Kramer, Hans
PA
     Ciba Specialty Chemicals Holding Inc., Switz.
SO
     PCT Int. Appl., 22 pp.
     CODEN: PIXXD2
DT
     Patent
LΑ
     English
FAN.CNT 1
     PATENT NO.
                         KIND
                                DATE
                                            APPLICATION NO.
                                                                   DATE
                         ----
                                            ______
PΙ
     WO 2001044210
                          A1
                                20010621
                                            WO 2000-EP12200
                                                                   20001205
         W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
             HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
             LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
             SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
             YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
PRAI EP 1999-811157
                                19991214
os
    MARPAT 135:62638
ΙT
     345206-49-7P 345206-52-2P
     RL: IMF (Industrial manufacture); TEM (Technical or engineered material
     use); PREP (Preparation); USES (Uses)
        (preparation of allyl- and diallylaminotriazinylaminostilbene derivs. as
       optical brightening agents)
     345206-49-7 CAPLUS
RN
CN
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(phenylamino)-6-(2-
    propenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX
```

●2 Na

PAGE 1-B

 \sim NH- CH $_2-$ CH= CH $_2$

RN 345206-52-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(di-2-propenylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

 $-cH=cH_2$

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 152 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN AN 2001:452832 CAPLUS

```
DN
     135:50904
TI
     The use of polymeric carriers treated with fluorescent whitening agents
     Reinehr, Dieter; Luther, Helmut; Metzger, Georges
IN
PA
     Ciba Specialty Chemicals Holding Inc., Switz.
SO
     PCT Int. Appl., 30 pp.
     CODEN: PIXXD2
DT
     Patent
     English
LA
FAN.CNT 1
     PATENT NO.
                           KIND
                                  DATE
                                               APPLICATION NO.
                                                                         DATE
     _____
PΙ
     WO 2001043714
                           A1
                                  20010621
                                               WO 2000-EP12342
                                                                         20001207
         W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
              CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
              HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
              LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
              SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
              YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     EP 1237536
                            A1
                                  20020911
                                              EP 2000-987366
                                                                         20001207
             AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
              IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     JP 2003516954
                            T2
                                  20030520
                                               JP 2001-544654
                                                                         20001207
     US 2003103924
                            A1
                                  20030605
                                               US 2002-149396
                                                                         20020611
     US 6818205
                            B2
                                  20041116
PRAI EP 1999-811154
                            Α
                                  19991213
     WO 2000-EP12342
                            W
                                  20001207
OS
     MARPAT 135:50904
     16090-02-1
IT
     RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
        (cosmetic uses of polymeric carriers treated with fluorescent whitening
RN
     16090-02-1 CAPLUS
CN
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-
     (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX
     NAME)
```

●2 Na

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4ANSWER 153 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2001:380803 CAPLUS
- DN 135:2516
- TIBio-burden visualization system and method using fluorescent or phosphorescent dyes

IN Ruvinsky, Lee; Esquenet, Bernard; Esquenet, Marc

Chemclean Corp., USA PA

so PCT Int. Appl., 18 pp. CODEN: PIXXD2

DT Patent

LΑ English

FAN.CNT 1

		-																
	PA	CENT	NO.			KIN	D	DATE			APPL	ICAT	ION I	NO.		D.	ATE	
							_							- -		_		
ΡI	WO	2001	0366	63 .		A2		2001	0525		WO 2	000-	US42	153		2	0001	115
	WO	O 2001036663 O 2001036663				A 3		2002	0314									
	WO	2001	0366	63		C2		2002	0829									
		W: AU, BR, CA,			CA,	IL,	IN,	JP,	MX,	TR								
		RW:	ΑT,	BE,	CH,	CY,	DE,	DK,	ES,	FI,	FR,	GB,	GR,	IE,	IT,	LU,	MC,	NL,
			PT,	SE,	TR													
	US 6653146					В1		2003	1125	1	US 2	000-	7136	56		2	0001	115
PRAI	US	1999	-165	605P		P		1999	1115									
ΙT	44()4 - 43	-7															

RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses) (bio-burden visualization system and method using fluorescent or phosphorescent dyes)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA · INDEX NAME)

PAGE 1-B

— cн₂- он

L4ANSWER 154 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

2001:338641 CAPLUS AN

DN 134:341614

TI Production and use of anionic fluorescent brightener or dye compositions

IN Malisz, Jacek; Kaeser, Adolf; Kaufel, Rainer; Lautenbach, Holger; Polley, Elke; Hoffmann, Martina

PA Ciba Specialty Chemicals Holding Inc., Switz.

so PCT Int. Appl., 23 pp. CODEN: PIXXD2

```
DT Patent
LA English
FAN.CNT 1
```

	PA'	rent 		KIN	D	DATE								D	ATE				
ΡI	WO	2001	 0327	 86		A1	_	2001	0510				 EP10			2	0001	023	
		W:	ΑE,	AG,	AL,	AM,	ΑT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,	
						DE,													
			HU,	ID,	ΙL,	IN,	IS,	JP,	ΚE,	KG,	KP,	KR,	ΚZ,	LC,	LK,	LR,	LS,	LT,	
			LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	NZ,	PL,	PT,	RO,	RU,	
			SD,	SE,	SG,	SI,	SK,	SL,	TJ,	TM,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VN,	
			YU,	ZA,	ZW,	AM,	ΑZ,	BY,	KG,	ΚZ,	MD,	RU,	ТJ,	TM					
	RW: GH, GM, KI			ΚE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ŻW,	AT,	BE,	CH,	CY,		
	DE, DK, ES														SE,	BF,	ВJ,		
	CF, CG, CI			CI,	CM,	GA,	GN,	GW,	ML,	MR,	NE,	SN,	TD,	TG					
					A 1		2002	0724	:	EP 2	000-	9728	44		2	0001	023		
		R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,	
						LV,	•	•	•										
		6719									US 2	002-	1119	48		2	00204	126	
PRAI		1999																	
		2000				W		2000	1023										
os		RPAT																	
ΙT	4404-43-7P 238419-																		
													, en	gine	erinq	g or	cher	nical	
	process); PREP (Pr																		
	(fluorescent br:											ntrai	ted s	stora	age-	stab]	le so	lns. of	
	anionic dyes an				fluo	ores	cent	bri	ghtei	ners	1					•			

RN 4404-43-7 CAPLUS
CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

-сн₂-он

RN 238419-95-9 CAPLUS

CN L-Aspartic acid, N,N'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-(phenylamino)-1,3,5-triazine-4,2-diyl]]]bis-, hexasodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry unknown.

PAGE 1-A

●6 Na

PAGE 1-B

_со2н

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 155 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2001:336298 CAPLUS
- DN 135:1640
- TI Relative effectiveness of selected stilbene optical brighteners as enhancers of the beet armyworm (Lepidoptera: Noctuidae) nuclear polyhedrosis virus
- AU Shapiro, Martin; Argauer, Robert
- CS Insect Biocontrol Laboratory, Beltsville Agricultural Research Center, Beltsville, MD, 20705, USA
- SO Journal of Economic Entomology (2001), 94(2), 339-343 CODEN: JEENAI; ISSN: 0022-0493
- PB Entomological Society of America
- DT Journal
- LA English
- IT 4193-55-9, Tinopal LPW 16090-02-1, Blankophor BBH
 35632-99-6, Blankophor HRS
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (stilbene optical brighteners as enhancers of the beet armyworm nuclear polyhedrosis virus)
- RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

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RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

```
L4
     ANSWER 156 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
AN
     2001:115365 CAPLUS
DN
     134:180181
ΤI
     Whitening paper coating compositions containing a water-soluble
     fluorescent pigment
     Rohringer, Peter; Grienenberger, Marc Roger; Ohren, Stefan; Wockenfuss,
IN
     Bernd
     Ciba Specialty Chemicals Holding Inc., Switz.
PA
     PCT Int. Appl., 13 pp.
so
     CODEN: PIXXD2
DT
     Patent
     English
LA
FAN.CNT 1
     PATENT NO.
                          KIND
                                  DATE
                                              APPLICATION NO.
                                                                       DATE
                                  _____
                                              -----
                                                                       _____
                          A1
PΙ
     WO 2001011140
                                  20010215
                                            WO 2000-EP7245
                                                                       20000727
         W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
             LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
              YU, ZA, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
              DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
              CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     CA 2378045
                           AA
                                  20010215
                                            CA 2000-2378045
                                                                       20000727
     EP 1200675
                                              EP 2000-953105
                           A1
                                  20020502
                                                                       20000727
         R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL
     BR 2000012946
                                  20020611
                           Α
                                              BR 2000-12946
                                                                       20000727
     JP 2003506591
                           T2
                                 20030218
                                              JP 2001-515378
                                                                       20000727
     AU 772319
                           B2
                                 20040422
                                              AU 2000-65673
                                                                       20000727
     RU 2254405
                          C2
                                 20050620
                                              RU 2002-103498
                                                                       20000727
     US 6797752
                          В1
                                 20040928
                                              US 2002-48758
                                                                       20020201
     ZA 2002000964
                          Α
                                 20020828
                                              ZA 2002-964
                                                                       20020204
PRAI EP 1999-810698
                          Α
                                 19990805
     WO 2000-EP7245
                           W
                                 20000727
os
     MARPAT 134:180181
IT
     4193-55-9 238419-95-9
     RL: TEM (Technical or engineered material use); USES (Uses)
        (pigment; paper whitening coating compns. containing a water-soluble
        fluorescent pigment)
RN
     4193-55-9 CAPLUS
CN
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-
     hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium
     salt (9CI) (CA INDEX NAME)
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PAGE 1-A

●2 Na

PAGE 1-B

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RN 238419-95-9 CAPLUS

CN L-Aspartic acid, N,N'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-(phenylamino)-1,3,5-triazine-4,2-diyl]]]bis-, hexasodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry. Double bond geometry unknown.

●6 Na

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RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 157 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2001:37587 CAPLUS

DN 134:224175

TI Control of the crystal structure of microbial cellulose during nascent stage

AU Ibrahim, Md.; Mondal, H.; Kai, Akira

- CS Department of Applied Chemistry and Chemical Technology, Rajshahi University, Rajshahi, 6205, Bangladesh
- SO Journal of Applied Polymer Science (2000), Volume Date 2001, 79(9), 1726-1734

 CODEN: JAPNAB; ISSN: 0021-8995

PB John Wiley & Sons, Inc.

DT Journal

LA English

IT 4404-43-7, C.I. Fluorescent Brightening Agent 28
 RL: PRP (Properties)
 (control of crystal structure of microbial cellulose during nascent stage)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

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RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 158 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2001:24428 CAPLUS
- DN 134:151681
- TI Fate modelling within LCA. The case of textile chemicals
- AU Beck, Almut; Scheringer, Martin; Hungerbuhler, Konrad
- CS Laboratory of Chemical Engineering, ETH Zentrum, Zurich, CH-8092, Switz.
- SO International Journal of Life Cycle Assessment (2000), 5(6), 335-344 CODEN: IJLCFF; ISSN: 0948-3349
- PB Ecomed Publishers
- DT Journal
- LA English
- IT 16090-02-1
- RL: MSC (Miscellaneous)

(fate modeling within life cycle assessment of textile chems.)

- RN 16090-02-1 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 159 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2000:900764 CAPLUS
- DN 134:58257
- TI Granular detergent composition with good solubility and fluidity
- IN Saijo, Hiroyuki; Nitta, Hideichi; Yamaguchi, Shu; Yamashita, Hiroyuki
- PA Kao Corp., Japan
- SO PCT Int. Appl., 34 pp. CODEN: PIXXD2
- DT Patent
- LA Japanese
- FAN.CNT 1

PATENT NO.

KIND DATE

APPLICATION NO.

DATE

PI WO 2000077157 A1 20001221 WO 2000-JP3792 20000612

W: CN, ID, JP

RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

EP 1184451 A1 20020306 EP 2000-937205 20000612 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI

PRAI JP 1999-166262 A 19990614 WO 2000-JP3792 W 20000612

IT 16090-02-1, Whitex SA

RL: TEM (Technical or engineered material use); USES (Uses) (preparation of granular detergent composition with good solubility and fluidity)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 160 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2000:782739 CAPLUS
- DN 133:336904
- TI Laundry detergent particles with high bulk density and their manufacture
- IN Yamaguchi, Osamu; Nakamatsu, Hiroshi; Saijo, Hiroyuki
- PA Kao Corp., Japan
- SO Jpn. Kokai Tokkyo Koho, 9 pp. CODEN: JKXXAF
- DT Patent
- LA Japanese
- FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PΙ	JP 2000309797	A2	20001107	JP 2000-47096	20000224
PRAI	JP 1999-46972	Α	19990224		

IT 16090-02-1, Whitex SA

RL: TEM (Technical or engineered material use); USES (Uses) (fluorescent dye; laundry detergent particles with high bulk d.)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

CN

NAME)

●2 Na

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ANSWER 161 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
AN
     2000:725734 CAPLUS
     133:298051
DN
ΤI
     Fabric softening component containing clay, flocculant, surfactant and
     builder-carrier
IN
     Hall, Robin Gibson; Letzelter, Nathalie Sophie
PA
     Procter & Gamble Co., USA
SO
     PCT Int. Appl., 78 pp.
     CODEN: PIXXD2
DT
     Patent
LΑ
     English
FAN.CNT 1
     PATENT NO.
                          KIND
                                 DATE
                                             APPLICATION NO.
                                                                     DATE
ΡI
     WO 2000060039
                          A1
                                 20001012
                                             WO 2000-US8517
                                                                     20000330
         W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,
             CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,
             IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
             MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
             SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW
         RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
             DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
             CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     GB 2348435
                          Α1
                                 20001004
                                             GB 1999-7593
                                                                     19990401
     CA 2365964
                          AΑ
                                 20001012
                                             CA 2000-2365964
                                                                     20000330
     EP 1165732
                                 20020102 .
                                             EP 2000-919923
                          A1
                                                                     20000330
             AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO
     BR 2000009502
                          А
                                20020326
                                             BR 2000-9502
                                                                     20000330
                          Т2
     JP 2002541342
                                 20021203
                                             JP 2000-609531
                                                                     20000330
     US 6881717
                          B1
                                20050419
                                             US 2001-936403
                                                                     20000330
PRAI GB 1999-7593
                                19990401
                          Α
     WO 2000-US8517
                          W
                                20000330
ÌΤ
     16090-02-1, Disodium 4,4'-bis(4-anilino-6-morpholino-s-triazin-2-
     ylamino) stilbene-2, 2'-disulfonate
     RL: MOA (Modifier or additive use); TEM (Technical or engineered material
     use); USES (Uses)
        (brightener; fabric softening component comprising clay, flocculant,
        anionic surfactant and builder and)
RN
     16090-02-1 CAPLUS
```

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX

●2 Na

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 162 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:712843 CAPLUS

DN 133:274297

TI Ink jet recording sheet containing ionene polymer

IN Torii, Nobuhiro; Yamada, Kenichi

PA : Mitsubishi Paper Mills, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 13 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI PRAI	JP 2000280607 JP 1999-87511	A2	20001010 19990330	JP 1999-87511	19990330

IT 17958-73-5

RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)

(fluorescent brightener; ink-jet printing paper with ink-receiving layer containing ionene polymers)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

CN

NH-CH2-CH2-OH

L4ANSWER 163 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN AN 2000:707259 CAPLUS 133:283313 DN ΤI Use of brightener pigment in cleansers or detergents Reinehr, Dieter; Metzger, Georges; Kramer, Hans IN Ciba Specialty Chemicals Holding Inc., Switz. PA PCT Int. Appl., 21 pp. SO CODEN: PIXXD2 DT Patent LΑ English FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO. DATE _____ 20000316 PΙ WO 2000058431 **A**1 20001005 WO 2000-EP2332 W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG PRAI CH 1999-590 Α 19990329 OS MARPAT 133:283313 IT 4193-55-9 RL: TEM (Technical or engineered material use); USES (Uses) (fluorescent brightener; cellulose containing adsorbed fluorescent brighteners for laundry detergents) RN 4193-55-9 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-

salt (9CI) (CA INDEX NAME)

hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium

PAGE 1-A

●2 Na

PAGE 1-B

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RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L4 ANSWER 164 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2000:666988 CAPLUS
DN 133:259287
TI Process for removing stain in a photographic material
IN Bulliard, Christophe; Metzger, Georges; Megert, Sonia
PA Ciba Specialty Chemicals Holding Inc., Switz.
SO PCT Int. Appl., 44 pp.
CODEN: PIXXD2
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DT Patent LA English

FAN.CNT 1

L.Aut.		CENT	NO.			KIN	D	DATE			APPL					D.	ATE	
ΡI	WO	2000	0556	88		A1										2	0000	302
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								ES,										
			IN,	IS,	JP,	ΚE,	KG,	KP,	KR,	KZ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	MA,
			MD,	MG,	MK,	MN,	MW,	MX,	NO,	NZ,	PL,	PT,	RO,	RU,	SD,	SE,	SG,	SI,
			SK,	SL,	ТJ,	TM,	TR,	TT, TZ,		UA,	UG,	US,	UZ,	VN,	YU,	ZA,	ZW,	AM,
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		RW:						SD, SL,										
								, GR, IE,							SE,	BF,	ВJ,	CF,
								GW,										
	EP	1166																
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			•	•	•	LV,												
		2002														_	0000	302
		6506				B1		2003						_			0010	913
		2003						2003		1	US 2	002-	3012	26		21	0021	120
		6890				B2		2005										
PRAI		1999					19990315											
		2000				W												
	US	2001	-936	371		A 3		2001	0913									

10/519,031

OS MARPAT 133:259287

IT 238419-95-9 295802-02-7

RL: TEM (Technical or engineered material use); USES (Uses) (process for removing stain in photog. material)

RN 238419-95-9 CAPLUS

CN L-Aspartic acid, N,N'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-(phenylamino)-1,3,5-triazine-4,2-diyl]]]bis-, hexasodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.

●6 Na

PAGE 1-B

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RN 295802-02-7 CAPLUS

CN Glycine, N,N'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-(phenylamino)-1,3,5-triazine-4,2-diyl]]]bis[N-(carboxymethyl)-, hexasodium salt (9CI) (CA INDEX NAME)

●6 Na

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 165 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:665436 CAPLUS

DN 133:254081

TI Use of fluorescent agents as photo-oxidative process inhibitors

AU Leclerc, Eric; Martin, Philippe; Robert, Sylvain

CS Centre de Recherche en Pates et Papiers Universite du Quebec a Trois-Rivieres, QC, G9A 5H7, Can.

SO Pretires - Conference Technologique Estivale 2000, Quebec, QC, Canada, June 7-9, 2000 (2000), 69-76 Publisher: Association Technique de Pates et Papiers du Canada, Montreal, Que. CODEN: 69AHDR

DT Conference

DI CONTETENCE

LA French

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

PAGE 1-B

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RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 166 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:650940 CAPLUS

DN 133:292284

TI Laboratory evaluation of selected spray adjuvants as ultraviolet light protectants for the nuclear polyhedrosis virus of the celery looper (Lepidoptera: Noctuidae)

AU Farrar, Robert R., Jr.; Ridgway, Richard L.

CS Insect Biocontrol Laboratory, USDA, Agricultural Research Service, Beltsville, MD, 20705, USA

SO Journal of Entomological Science (2000), 35(3), 239-250 CODEN: JESCEP; ISSN: 0749-8004

PB Georgia Entomological Society, Inc.

DT Journal

LA English

IT 16090-02-1, (Blankophor BBH 35632-99-6, Blankophor HRS)
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)

(effect of spray adjuvants as UV light protectants on the insecticidal activity of nuclear polyhedrosis virus against Spodoptera exigua)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 167 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2000:589668 CAPLUS
- DN 133:292212
- TI Peroral infection of nuclear polyhedrosis virus budded particles in the host, Bombyx mori L., enabled by an optical brightener, Tinopal UNPA-GX
- AU Arakawa, T.; Kamimura, M.; Furuta, Y.; Miyazawa, M.; Kato, M.
- CS National Institute of Sericultural and Entomological Science (NISES), Tsukuba, Ibaraki, 305-8634, Japan
- SO Journal of Virological Methods (2000), 88(2), 145-152 CODEN: JVMEDH; ISSN: 0166-0934
- PB Elsevier Science B.V.
- DT Journal
- LA English
- IT 4193-55-9, Tinopal UNPA-GX

RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(peroral infection of nuclear polyhedrosis virus budded particles in host, Bombyx mori L., enabled by optical brightener, Tinopal UNPA-GX)

- RN 4193-55-9 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

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RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 168 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2000:528909 CAPLUS
- DN 133:249287
- TI Interaction between carbohydrate residues of $\alpha 1$ -acid glycoprotein (orosomucoid) and saturating concentrations of Calcofluor White. A fluorescence study
- AU Albani, J. R.; Sillen, A.; Plancke, Y. D.; Coddeville, B.; Engelborghs, Y.

- CS Laboratoire de Biophysique Moleculaire, Universite des Sciences et Technologies de Lille, Villeneuve d'Asca, F-59656, Fr.
- Technologies de Lille, Villeneuve d'Ascq, F-59656, Fr. SO Carbohydrate Research (2000), 327(3), 333-340 CODEN: CRBRAT; ISSN: 0008-6215
- PB Elsevier Science Ltd.
- DT Journal
- LA English
- IT 4193-55-9

RL: ARG (Analytical reagent use); BPR (Biological process); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); PROC (Process); USES (Uses)

(Calcofluor White; interaction between carbohydrate residues of $\alpha 1$ -acid glycoprotein (orosomucoid) and saturating concns. of Calcofluor White. A fluorescence study)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

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RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 169 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2000:511160 CAPLUS
- DN 134:102408
- TI Comparing the environmental performance of fluorescent whitening agents with peroxide bleaching of mechanical pulp
- AU Scheringer, Martin; Halder, Daniel; Hungerbuhler, Konrad
- CS Safety and Environment Technology Group Chemical Engineering Laboratory, Swiss Federal Institute of Technology, Zurich, Switz.
- SO Journal of Industrial Ecology (1999), 3(4), 77-95 CODEN: JINEFZ; ISSN: 1088-1980
- PB MIT Press
- DT Journal
- LA English
- IT 4193-55-9

RL: NUU (Other use, unclassified); USES (Uses)
(environmental pollution by bleaching of mech. pulp with fluorescent brighteners vs. hydrogen peroxide)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

•2 Na

PAGE 1-B

— cн₂— он

RE.CNT 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 170 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:493658 CAPLUS

DN 133:106642

TI High-density detergent compositions

IN Yamaguchi, Shu; Nitta, Hideichi; Okada, Kyoko; Mizusawa, Kimihiro; Kozuka, Jun; Noguchi, Toshiharu; Yamashita, Hiroyuki

PA Kao Corporation, Japan

SO PCT Int. Appl., 43 pp. CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

	PAT	CENT 1	NO.			KINI	D	DATE		1	APPL:	ICAT:	ION 1	NO.		D	ATE	
PI	WO	2000				A1	-	2000	0720	,	WO 2	000-	JP14	5 5	-	2	0000	 114
			,	•	•			5.77	50			45						
		RW: AT, BE, CH, PT, SE			CH,	CY,	DE,	DK,	ES,	ΕŢ,	FR,	GB,	GR,	IE,	IT,	LU,	MC,	NL,
	ΕP	1146114				A 1		2001	1017	1	EP: 20	000-	9003	85		2	0000	114
		R: AT, BE, CH,			CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
			ΙE,	FI														
	TW	495550			В		2002	0721	7	rw 20	000-	8910	0726		2	0000	118	
PRAI	JΡ	JP 1999-9946				Α		1999	0118									
	JΡ	JP 1999-170144				Α		1999	0616									
	WO	1999-170144 2000-JP145				W		2000	0114									

IT 16090-02-1, Whitex SA

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(Whitex SA, fluorescent dyes; high-d. detergent compns.)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 171 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:421278 CAPLUS

DN 133:60414

TI Transparent/translucent liquid compositions in clear bottles comprising colorant and fluorescent dye or UV absorber

IN Murphy, Dennis Stephen; Neuser, Kristina Marie; Bae-Lee, Myongsuk; Hsu, Feng-lung Gordon; Kuzmenka, Daniel Joseph; Bory, Barbara Helen

PA Unilever N.V., Neth.; Unilever Plc; Hindustan Lever Ltd.

SO PCT Int. Appl., 35 pp. CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

IAW.	PA	rent 1				DATE				ICAT				D	ATE			
ΡI		2000														1:	9991	130
									BA,									
									FI,									
									KR,									
									NO,									
									TZ,									•
		RW:							SL,									DĒ,
							GB, GR, IE,											
			CG,	CI,	CM,	GΑ,	GA, GN, GW, ML,			MR,	NE,	SN,	TD,	TG		-		
	US	US 6630437			B1		2003	1007	Ţ	US 1	998-	2130	45		19	9981	216	
	CA	2355	130			AA		2000	0622	(CA 1	999-2	2355	130		19	9991	130
	BR	9916	161		•	Α		2001	0904	1	BR 1	999-	1616	1		19	9991	130
		1141]	EP 1	999-	9633	58		19	9991	130
	ΕP	1141	213			B1		2004	0204									
		R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
					LT,			RO										
	TR	R 200101713			Т2			1121			001-2					9991	130	
		AU 763576						0724								9991	130	
		AT 258975														9991:	130	
		ES 2214058			Т3	:	2004	0901	I	ES 1	999-9	9633	58		19	9991:	130	
	TW	7 518365				В	:	2003	0121	7	rw 1	999-1	8812	1103		19	9991	202

	ZA 2001004264	Α	20020524	ZΑ	2001-4264	20010524									
PRAI	US 1998-213045	Α	19981216		•										
	WO 1999-EP9374	W	19991130												
ΙT	13863-31-5, Tinopal	5BM													
	RL: MOA (Modifier or additive use); USES (Uses) (transparent/translucent liquid compns. in clear bottles comprising														
	colorant and fluo	rescent	dye or UV	abso	rber)										
RN	13863-31-5 CAPLUS														
CN	Benzenesulfonic acid	, 2,2'-	(1,2-ethen	ediyl)bis[5-[[4	-[(2-									
	hydroxyethyl) methylar			ino)-	1,3,5-tria	zin-2-yl]amino]-,									
	disodium salt (9CI)	(CA IN	IDEX NAME)												

●2 Na

PAGE 1-B

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— cн<sub>2</sub>- он
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RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4ANSWER 172 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN ΑN 2000:409002 CAPLUS

DN 133:32121

TI Hydrogen peroxide-based bleaching cleaning compositions

IN Takimoto, Hitoshi; Tokumoto, Tsutomu

PA Kao Corp., Japan

so Jpn. Kokai Tokkyo Koho, 7 pp. CODEN: JKXXAF

DTPatent

LA Japanese FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2000169888	A2	20000620	JP 1998-349966	19981209
JP 3167299	B2	20010521		
PRAI JP 1998-349966		19981209		
OC MADDAT 133.33131				

OS MARPAT 133:32121

IT 16090-02-1, Tinopal AMS

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(fluorescent whiteners; hydrogen peroxide-based bleaching cleaning compns.)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

L4 ANSWER 173 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:384357 CAPLUS

DN 133:32114

TI Manufacture of brightening agent-containing detergent granulates

IN Larson, Bernd; Artiga Gonzalez, Rene-Andres; Rahse, Wilfried; Welling, Herman-Josef

PA Henkel Kommanditgesellschaft Auf Aktien, Germany

SO PCT Int. Appl., 41 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

ETM.	>1A T	т																
	PAT	CENT 1	NO.			KIN	D	DATE		1	APPI	ICAT	ION 1	NO.		D.	ATE	
PI	WO	2000	0327	34		A1		 2000	0608	,	 WO 1	999-	EP90	06		1:	 9991	123
	W: CZ, HU, JP			•	•													
	RW: AT, BE, CH,		CH,	CY,	DE,	DK,	ES,	FI,	FR,	GB,	GR,	ΙE,	IT,	LU,	MC,	NL,		
			PT,	SE														
	DE	1985	5677			A1		2000	0608]	DE 1	998-	1985	5677		19	9981	202
PRAI	DΕ	1998	-198	55677	7	Α		1998	1202									

OS MARPAT 133:32114

IT 16090-02-1, Optiblanc 2MG

RL: TEM (Technical or engineered material use); USES (Uses)

(Optiblanc 2MG; manufacture of detergent granulates powdered with brightening

agent composition containing)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 174 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:247290 CAPLUS

DN 132:266872

TI Method for detecting leakage of permselective membrane module

IN Yoshida, Kiyoshi; Kumano, Atsuo; Yamada, Hideki

PA Toyobo Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000107575	A2	20000418	JP 1998-282410	19981005
PRAI	JP 1998-282410		19981005		
TM	16000 02 1 C T	F1		0.00	

IT 16090-02-1, C.I. Fluorescent Brightener 260

RL: TEM (Technical or engineered material use); USES (Uses) (fluorescent dye; membrane module leakage detection using fluorescent

dye solution)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 175 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:227737 CAPLUS

DN 132:252830

TI Fabric care agent for treatment of fabrics in the wash

IN Bijsterbosch, Henri; Cooke, Deborah; Jones, Neil; Khoshdel, Ezat

PA Unilever PLC, UK; Unilever N.V.; Hindustan Lever Limited

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PCT Int. Appl., 44 pp.
SO
     CODEN: PIXXD2
DΤ
     Patent
LΑ
     English
FAN.CNT 1
     PATENT NO.
                        KIND
                                DATE
                                           APPLICATION NO.
     -----
                         ____
                                           ______
                                -----
                                                                  _____
     WO 2000018862
                         A1
PΙ
                                20000406 WO 1999-EP7424
                                                                 19990923
         W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,
             CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,
             IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD,
             MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK,
             SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
             DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
             CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     CA 2345574
                         AΑ
                               20000406
                                         CA 1999-2345574
                                                                  19990923
     AU 9964690
                         A1
                               20000417
                                           AU 1999-64690
                                                                  19990923
     AU 752026
                         B2
                               20020905
     EP 1117756
                         A1
                               20010725
                                           EP 1999-952509
                                                                  19990923
     EP 1117756
                         В1
                               20040225
        R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO
     ZA 200101827
                         Α
                               20020305
                                           ZA 2001-1827
                                                                  19990923
     AT 260332
                                           AT 1999-952509
                         Ε
                               20040315
                                                                  19990923
     ES 2214893
                         Т3
                               20040916
                                           ES 1999-952509
                                                                  19990923
     US 6248710
                      B1
                               20010619
                                           US 1999-409167
                                                                  19990930
     US 2001018411
                         A1
                               20010830
                                           US 2001-803701
    US 6475980
                         B2
                               20021105
PRAI GB 1998-21218
                        Α
                               19980930
     WO 1999-EP7424
                         W
                               19990923
     US 1999-409167
                         A3
                               19990930
IT
     262853-62-3DP, reaction products with CM-cellulose
     RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP
     (Preparation); USES (Uses)
        (fabric care agent for treatment of fabrics in wash)
RN
     262853-62-3 CAPLUS
    Benzenepropanoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-
CN
    phenylene)imino(6-amino-1,3,5-triazine-4,2-diyl)imino]]bis-, disodium salt
```

(9CI) (CA INDEX NAME)

PAGE 1-B

$$-NH$$
 NH_2
 $CH_2-CH_2-CO_2H$

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 176 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:219169 CAPLUS

DN 132:238754

TI Production of high bulk density granular detergent compositions

IN Takahashi, Shinobu; Fukano, Kazuaki

PA Lion Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	JP 2000096094	A2	20000404	JP 1998-283277	19980918
PRAI	JP 1998-283277		19980918		

IT 16090-02-1, Tinopal AMS

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(Tinopal AMS, fluorescent whiteners; production of high bulk d. granular detergent compns.)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

L4 ANSWER 177 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:199402 CAPLUS

DN 132:224171 6

TI Anionic surfactant-based cleaning compositions

IN Hasumi, Motomitsu; Yamaguchi, Osamu; Saijo, Hiroyuki

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	TENT NO. KIND DATE APPLICATION NO.			
ΡI	JP 2000087091	A2	20000328	JP 1998-259858	19980914
	JP 3297383	B2	20020702		
PRAI	JP 1998-259858		19980914		

IT 16090-02-1, Whitex SA

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(Whitex SA, fluorescent dyes; anionic surfactant-based cleaning compns.)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 178 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:198246 CAPLUS

DN 132:209521

TI Anionic surfactant-based cleaning compositions

IN Hasumi, Motomitsu; Yamaguchi, Osamu; Fujii, Yukiko; Saijo, Hiroyuki

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

111110111 1		•				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
PI JP 2000087075	A2	20000328	JP 1998-259859	19980914		
JP 3260122	B2	20020225				
PRAI JP 1998-259859)	19980914				

IT 16090-02-1, Whitex SA

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(Whitex SA, fluorescent dyes; anionic surfactant-based cleaning compns.)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

ANSWER 179 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

2000:195941 CAPLUS ΑN

132:209501 DN

Germicidal laundry detergent TI

Delaney, Susan; Taylor, Timothy John; Richter, Alan Francis Reckitt and Colman Inc., USA IN

PA

SO Brit. UK Pat. Appl., 41 pp. CODEN: BAXXDU

DTPatent

LА English

FAN.CNT 1

	PATENT NO.	TENT NO. KIND DATE APPLIC		APPLICATION NO.	DATE
PI	GB 2338242	A1	19991215	GB 1998-12455	19980610
	US 6090768	A	20000718	US 1998-139681	19980825
PRAI	GB 1998-12455	Α	19980610		

ΙT 4193-55-9, Phorwite AR

> RL: TEM (Technical or engineered material use); USES (Uses) (germicidal laundry detergent)

RN4193-55-9 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

— cн₂— он

L4ANSWER 180 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

ΑN 2000:188471 CAPLUS

DN 132:195805

Pretreatment technology for silk and silk products ΤI

IN. Yu, Xianggen

PA Peop. Rep. China

so Faming Zhuanli Shenqing Gongkai Shuomingshu, 8 pp.

CODEN: CNXXEV

DTPatent

LΑ Chinese

FAN.CNT 1

	PATENT NO.	. KIND DATE		APPLICATION NO.	DATE		
PΙ	CN 1191905	Α	19980902	CN 1998-101526	19980409		
	CN 1069706	В	20010815				
PRAI	CN 1998-101526		19980409				
TΨ	17958-73-5 VRT.						

IT

RL: TEM (Technical or engineered material use); USES (Uses) (degumming agents containing sodium hydroxide and whitening agents for silk and nonwoven fabrics)

RN17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

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ANSWER 181 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
AN
     2000:188392 CAPLUS
DN
     132:238362
ΤI
     Process for the manufacture of dyes and/or brighteners
     Zarges, Wolfgang; Brockmann, Rolf; Bacher, Erwin; Szeymies, Detlef
IN
PA
     Bayer A.-G., Germany
     Ger. Offen., 10 pp.
SO
     CODEN: GWXXBX
DT
     Patent
LА
     German
FAN.CNT 1
     PATENT NO.
                          KIND
                                 DATE
                                             APPLICATION NO.
                                                                     DATE
                          ____
                                             PΙ
     DE 19927398
                           A1
                                 20000323
                                             DE 1999-19927398
                                                                     19990616
     EP 992547
                           A2
                                 20000412
                                             EP 1999-117456
                                                                     19990909
     EP 992547
                           A3
                                 20010110
             AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
         R:
             IE, SI, LT, LV, FI, RO
     AT 311418
                           E
                                 20051215
                                             AT 1999-117456
                                                                     19990909
     JP 2000103977
                           A2
                                 20000411
                                             JP 1999-265654
                                                                     19990920
     US 6241786
                           В1
                                 20010605
                                             US 1999-399248
                                                                     19990920
     CN 1248597
                           Α
                                 20000329
                                             CN 1999-120394
                                                                     19990922
     MX 9908684
                           Α
                                 20000731
                                             MX 1999-8684
                                                                     19990922
     US 2001049851
                          A1
                                 20011213
                                             US 2001-757808
                                                                     20010110
     US 6613104
                          B2
                                 20030902
PRAI DE 1998-19843381
                          A1
                                 19980922
     DE 1999-19927398
                          Α
                                 19990616
     US 1999-399248
                          A3
                                 19990920
OS-
     MARPAT 132:238362
ΙT
     4404-43-7P
     RL: PUR (Purification or recovery); TEM (Technical or engineered material
     use); PREP (Preparation); USES (Uses)
        (purification of salt-containing suspensions of dyes and/or brighteners)
RN
     4404-43-7 CAPLUS
CN
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-
     hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI)
     INDEX NAME)
```

PAGE 1-B

RN

IT 20206-64-8 261717-27-5 261717-28-6

261717-29-7

RL: TEM (Technical or engineered material use); USES (Uses) (purification of salt-containing suspensions of dyes and/or brighteners)

20206-64-8 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, compd. with 2-aminoethanol (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 4404-43-7

CMF C40 H44 N12 O10 S2

PAGE 1-A PhNH NHPh NH-SO3H SO₃H HO-CH2-CH2-- CH2- $HO-CH_2-CH_2$ CH2- CH2- ОН

PAGE 1-B

— сн2— он

CM 2

CRN 141-43-5 CMF C2 H7 N O

 $H_2N-CH_2-CH_2-OH$

RN 261717-27-5 CAPLUS

CN Methanaminium, N,N,N-trimethyl-, salt with 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2yl]amino]benzenesulfonic acid] (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 82574-77-4

CMF C40 H42 N12 O10 S2

PAGE 1-B

— cн₂- он

CM 2

CRN 51-92-3 CMF C4 H12 N

RN 261717-28-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, compd. with 2,2'-iminobis[ethanol] (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 4404-43-7 CMF C40 H44 N12 O10 S2

— сн₂— он

CM 2

CRN 111-42-2 CMF C4 H11 N O2

 $HO-CH_2-CH_2-NH-CH_2-CH_2-OH$

RN 261717-29-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, compd. with 2-[(2-aminoethyl)amino]ethanol (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 4404-43-7

CMF C40 H44 N12 O10 S2

PAGE 1-B

— cн₂- он

CM 2

CRN 111-41-1 CMF C4 H12 N2 O

H2N-CH2-CH2-NH-CH2-CH2-OH

L4 ANSWER 182 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:134500 CAPLUS

DN 132:153235

TI Preparation of fluorescent whitener dispersion for dacron/cotton fabric

IN Lei, Yixiong

PA Inst. of Photosensitive Chemistry, Chinese Academy of Sciences, Peop. Rep. China

SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 11 pp. CODEN: CNXXEV

DT Patent

LA Chinese

FAN. CNT 1

TIM.	CIVI				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
					
PI	CN 1184179	Α	19980610	CN 1997-125854	19971226
	CN 1063249	В	20010314		
PRAI	CN 1997-125854		19971226		

IT 16090-02-1 24231-46-7

RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)

(fluorescent brightener; preparation of fluorescent whitener dispersion for dacron/cotton fabric)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 183 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:127742 CAPLUS

10/519,031

DN 132:138876

TI Porcelain-like poly(vinyl alcohol)-based coatings for walls and their manufacture

IN Wang, Changsheng

PA Peop. Rep. China

SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 5 pp. CODEN: CNXXEV

DT Patent

LA Chinese

FAN.CNT 1

2.4. 0.1. 1									
PATENT NO.	KIND	DATE	DATE						
CN 1184790	Α	19980617	CN 1996-114301	19961212					
CN 1049412	В	20000216							
CN 1996-114301		19961212							
	PATENT NO	PATENT NO. KIND	PATENT NO. KIND DATE	PATENT NO. KIND DATE APPLICATION NO. CN 1184790 A 19980617 CN 1996-114301 CN 1049412 B 20000216					

IT 17958-73-5, VBL

RL: MOA (Modifier or additive use); USES (Uses)
(manufacture of nonyellowing aqueous poly(vinyl alc.)-based coatings with corrosion and water resistance for walls)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

— NH— CH2— CH2— ОН

L4 ANSWER 184 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:102949 CAPLUS

DN 132:109333

TI Bleaching method for non-yellowing canvas

IN Wang, Zunyuan; Yu, Yuehai; Wang, Jingwen

PA Yifan Group Corp., Peop. Rep. China

SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 4 pp. CODEN: CNXXEV

DT Patent

LA Chinese

FAN.	CNT	1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	CN 1180767	Α	19980506	CN 1996-117150	19961024
	CN 1060546	В	20010110		
PRAI	CN 1996-117150		19961024		
IT	17958-73-5, VBL				
	RL: NUU (Other use,	unclas	sified); USE	S (Uses)	
•	(in bleaching of	non-ye	llowing canv	as)	
RN	17958-73-5 CAPLUS	_	-		
CN	Benzenesulfonic acid	d, 2,2'	-(1,2-ethene	diyl)bis[5-[[4-[(2-	

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

NH- CH2- CH2- ОН

L4 ANSWER 185 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:102943 CAPLUS

DN 132:109615

TI Manufacture of wood antiforge trademark

IN Luo, Jianju

PA Eucalyptus Research Development Center, Ministry of Forestry, Peop. Rep. China

SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 6 pp. CODEN: CNXXEV

DT Patent

LA Chinese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI CN 1180605	A	19980506	CN 1996-119171	19961018
CN 1063121 PRAI CN 1996-119171	В	20010314 19961018		

IT 17958-73-5, Kayaphor BLS

RL: NUU (Other use, unclassified); USES (Uses)
(Kayaphor BLS, bleaching agent; in manufacture of wood antiforge trademark)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

NH-CH2-CH2-OH

L4 ANSWER 186 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:90058 CAPLUS

DN 132:351905

TI Significant new uses of certain chemical substances

CS Environmetal Protection Agency (EPA), USA

SO Federal Register (2000), 65(3), 354-374, 5 Jan 2000 CODEN: FEREAC; ISSN: 0097-6326

PB Superintendent of Documents

DT Journal

LA English

IT 180850-95-7

RL: MSC (Miscellaneous)

(EPA rule on significant new uses of chemical substances)

RN 180850-95-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1E)-1,2-ethenediylbis[5-[[4-(methylamino)-6-[[4-[(methylamino)carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Double bond geometry as shown.

PAGE 1-A

PAGE 1-B

____NHMe

2 Na

L4 ANSWER 187 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:60536 CAPLUS

DN 132:247416

TI Calcofluor disrupts the midgut defense system in insects

AU Wang, P.; Granados, R. R.

CS Boyce Thompson Institute, Cornell University, Ithaca, NY, USA

SO Insect Biochemistry and Molecular Biology (2000), 30(2), 135-143 CODEN: IBMBES; ISSN: 0965-1748

PB Elsevier Science Ltd.

DT Journal

LA English

IT 4193-55-9, Calcofluor white M2R
RL: AGR (Agricultural use); BAC (Biological activity or effector, except
adverse); BSU (Biological study, unclassified); BIOL (Biological study);
USES (Uses)

(disruption of the chitin-assembled peritrophic membrane in insect midgut by Calcofluor)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

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RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 188 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:48127 CAPLUS

DN 132:65372

TI Pretreatment of real silk fiber

IN Yu, Xianggen

PA Peop. Rep. China

SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 7 pp.

CODEN: CNXXEV

DT Patent

LA Chinese

FAN.CNT 1

	PATENT NO.	T NO. KIND DATE APPLICATION NO.			
ΡI	CN 1160106	Α	19970924	CN 1997-100775	19970225
	CN 1056896	В	20000927		
PRAI	CN 1997-100775		19970225		
IT	17958-73-5, VBL				

RL: NUU (Other use, unclassified); USES (Uses)

(whitening agents; silk fiber pretreatment with sodium hydroxide degumming agents containing)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

 \sim NH- CH $_2-$ CH $_2-$ OH

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L4
     ANSWER 189 OF 904
                        CAPLUS
                                COPYRIGHT 2006 ACS on STN
AN
    2000:34573 CAPLUS
DN
     132:66205
TI
     Low-residue high-calcium-bonding cleaning and washing compositions
     containing finely divided crystalline sodium disilicates
IN
     Bauer, Harald; Holz, Josef; Schimmel, Gunther
PA
     Clariant GmbH, Germany
SO
     Eur. Pat. Appl., 15 pp.
     CODEN: EPXXDW
DT
     Patent
LΑ
     German
FAN.CNT 1
```

	PAT	TENT	NO.			KIN	D	DATE		i	APP	LICAT	ION	NO.		D.	ATE	
PI		9709 9709				A1 B1	-	2000 2003]	EP :	<u>-</u> 1999-	 1124	36		1	9990	630
	BE	R:		BE,	CH,		DK,			GB,	GR,	, IT,	LI,	LU,	NL,	SE,	MC,	PT,
			ΙE,	SI,	LT,	LV,	FI,	RO	•									
	DΕ	1992	5928			A 1		2000	0113	1	DE :	1999-	1992	5928		1	9990	608
	ES	2209	286			Т3		2004	0616]	ES :	1999-	1124	36		1	9990	630
	US	6372	709			B1		2002	0416	τ	JS I	1999-	3464	27		1	9990	701
	JP	2000	0730	88		A2		2000	0307	į.	JP :	1999-	1936	85		1	9990	707
PRAI	DE	1998	-1983	3059	1	Α		1998	0708									
	DE	1999	-1992	2592	В	Α		1999	0608									
ፐጥ	160	าดก_ก	2-1	Tine	an a 1	dmc	.,											

IT 16090-02-1, Tinopal dms x

RL: TEM (Technical or engineered material use); USES (Uses) (cleaning solns. containing; low-residue high-calcium-bonding cleaning and washing compns. containing finely divided crystalline sodium disilicates)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 190 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1999:800304 CAPLUS
- DN 132:104058
- TI Enhancement in activity of homologous and heterologous baculoviruses infectious to fall armyworm (Lepidoptera: Noctuidae) by selected optical brighteners
- AU Shapiro, Martin; Hamm, John J.
- CS Insect Biocontrol Laboratory, BARC, USDA-ARS, Beltsville, MD, 20705, USA
- SO Journal of Entomological Science (1999), 34(4), 381-390 CODEN: JESCEP; ISSN: 0749-8004
- PB Georgia Entomological Society, Inc.
- DT Journal
- LA English
- IT 4193-55-9, Tinopal LPW 16090-02-1, Blankophor BBH
 35632-99-6
 - RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (enhancement of insecticidal activity of baculoviruses to fall armyworm by optical brighteners)
- RN 4193-55-9 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

— cн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 191 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1999:800261 CAPLUS
- DN 132:118734
- TI Optical brighteners enhance activity of a nuclear polyhedrosis virus against western spruce budworm (Lepidoptera: Tortricidae)
- AU Li, S. Y.; Otvos, I. S.
- CS Atlantic Forestry Centre, Natural Resources Canada, Canadian Forest Service, Corner Brook, NF, A2H 6J3, Can.
- SO Journal of Economic Entomology (1999), 92(2), 335-339 CODEN: JEENAI; ISSN: 0022-0493
- PB Entomological Society of America
- DT Journal
- LA English
- IT 31900-04-6

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (Blankophor HRS, Blankophor RKH; optical brighteners enhance activity of a nuclear polyhedrosis virus against western spruce budworm)

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-

(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

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RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 192 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:797197 CAPLUS

DN 132:89450

TI Comparison of the activity enhancement of a baculovirus by optical brighteners against laboratory and field strains of Choristoneura occidentalis (Lepidoptera: Tortricidae)

AU Li, S. Y.; Otvos, I. S.

CS Atlantic Forestry Centre, Natural Resources Canada, Canadian Forest Service, Corner Brook, NF, A2H 6J3, Can.

SO Journal of Economic Entomology (1999), 92(3), 534-538 CODEN: JEENAI; ISSN: 0022-0493

PB Entomological Society of America

DT Journal

LA English

IT 31900-04-6

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(Blankophor HRS, Blankophor RKH; enhancement of the insecticidal activity of a baculovirus against Choristoneura occidentalis by optical brighteners)

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

IT 4193-55-9, Tinopal LPW

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (enhancement of the insecticidal activity of a baculovirus against Choristoneura occidentalis by optical brighteners)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

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RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 193 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:774800 CAPLUS

DN 132:148195

TI Dynamics of carbohydrate residues of $\alpha 1$ -acid glycoprotein (orosomucoid) followed by red-edge excitation spectra and emission anisotropy studies of Calcofluor White

AU Albani, J. R.; Sillen, A.; Coddeville, B.; Plancke, Y. D.; Engelborghs, Y.

CS BP 649, Laboratoire de Biophysique Moleculaire, Universite des Sciences et Technologies de Lille, Villeneuve d'Ascq, F-59656, Fr.

SO Carbohydrate Research (1999), 322(1-2), 87-94 CODEN: CRBRAT; ISSN: 0008-6215

PB Elsevier Science Ltd.

DT Journal

LA English

IT 4193-55-9, Calcofluor White M 2R
RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses)
 (mol. dynamics of carbohydrate residues of α1-acid glycoprotein
 (orosomucoid) followed by red-edge excitation spectra and emission anisotropy studies of Calcofluor White)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2-N$
 $N-CH_2-CH_2-N$
 $N-CH_2-CH_2-$

●2 Na

PAGE 1-B

- сн $_2-$ он

RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 194 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

AN 1999:736578 CAPLUS

DN 131:352879

ΤI Effervescence component for detergents

IN Baillely, Gerard Marcel; Hartshorn, Richard Timothy; Jansen, Judit Ester

PA The Procter & Gamble Company, USA

SO PCT Int. Appl., 62 pp.

CODEN: PIXXD2

DTPatent

LA English

FAN.	CNT 1.				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9958444	A2	19991118	WO 1999-US10008	19990507
	WO 9958444	A3	20000309		
	W: JP, US				
	RW: AT, BE, CH,	CY, DE,	DK, ES, FI	, FR, GB, GR, IE, IT,	LU, MC, NL,
	PT, SE				
	GB 2337055	A 1	19991110	GB 1998-9733	19980508
PRAI	GB 1998-9733	Α	19980508		
IT	16090-02-1		•		
	RL: NUU (Other use,	unclass	sified); USE	S (Uses)	
	/h				

(brightener; effervescence component for laundry and dishwashing detergents)

RN 16090-02-1 CAPLUS

CNBenzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

- L4 ANSWER 195 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1999:735921 CAPLUS
- DN 132:60300
- TI Toxicity of laundry detergent components to a freshwater cladoceran and their contribution to detergent toxicity
- AU Warne, M. St. J.; Schifko, A. D.
- CS Ecotoxicology Section of the Environment Protection Authority of NSW, EPA/UTS Centre for Ecotoxicology, University of Technology, Sydney, 2065, Australia
- SO Ecotoxicology and Environmental Safety (1999), 44(2), 196-206 CODEN: EESADV; ISSN: 0147-6513
- PB Academic Press
- DT Journal
- LA English
- IT 13863-31-5 16090-02-1 24565-13-7

RL: ADV (Adverse effect, including toxicity); POL (Pollutant); BIOL (Biological study); OCCU (Occurrence)

(toxicity of laundry detergent components to a freshwater cladoceran (Ceriodaphnia dubia) and their contribution to detergent toxicity)

- RN 13863-31-5 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

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RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 24565-13-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(ethylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

RE.CNT 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 196 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:731162 CAPLUS

DN 132:266795

TI The photochemistry of fluorescent whitening agents: impact on light fastness

AU Kaschig, Juergen; Schaumann, Monika; Schultz, Bernard

- CS Ciba Specialty Chemicals Inc., Basel, CH 4002, Switz.
- Proceedings of the World Conference on Detergents: Strategies for the 21st Century, 4th, Montreux, Switzerland, Oct. 4-8, 1998 (1999), Meeting Date 1998, 323-325. Editor(s): Cahn, Arno. Publisher: AOCS Press, Champaign, Ill.

CODEN: 68JNAC

DT Conference

LA English

IT 16090-02-1, Tinopal DMS-x

RL: PEP (Physical, engineering or chemical process); PRP (Properties); TEM (Technical or engineered material use); PROC (Process); USES (Uses) (fluorescent brightener for laundering; sensitivity to cis-trans photoisomerization and photodegrdn.)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 197 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1999:655848 CAPLUS
- DN 131:282704
- TI Ultraviolet-resistant formulations for the delivery of insecticidal viruses and other biopesticides to field crops
- IN Ahmed, Fakhruddin
- PA American Cyanamid Company, USA
- SO U.S., 23 pp., Cont.-in-part of U.S. 5,662,897. CODEN: USXXAM
- DT Patent
- LA English

FAN.CNT 3

	. 0.11 0				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	US 5965123	 А	19991012	US 1994-322679	19941013
	US 5662897	Α	19970902	US 1994-281916	19940727
	TW 381003	В	20000201	TW 1995-84106935	19950705
	CA 2154640	AA	19960128	CA 1995-2154640	19950725
	EG 22218	Α	20021031	EG 1995-619	19950725
	BR 9503455	Α	19960312	BR 1995-3455	19950726
	JP 08109103	A2	19960430	JP 1995-209348	19950726
	JP 3806952	В2	20060809		
٠	LV 11514	В	19961220	LV 1995-229	19950726
	ни 76656	A2	19971028	HU 1995-2242	19950726
	HU 214499	В	19980330		
	IL 114740	A 1	19990714	IL 1995-114740	19950726
	RU 2152152	C2	20000710	RU 1995-113186	19950726

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AU 9527219
                           Α1
                                 19960208
                                             AU 1995-27219
                                                                      19950727
    . AU 710501
                           B2
                                 19990923
     CA 2196044
                           AA
                                 19960208
                                             CA 1995-2196044
                                                                      19950727
     WO 9603509
                           A2
                                 19960208
                                             WO 1995-US9527
                                                                      19950727
     WO 9603509
                           А3
                                 19960307
             AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KG,
             KP, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU,
             SG, SI, SK, TJ, TM, TT, UA, UZ, VN
         RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT,
             LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE,
             SN, TD, TG
     EP 697170
                           A1
                                 19960221
                                             EP 1995-305237
                                                                      19950727
     EP 697170
                           B1
                                 20040506
         R: AT, BE, CH,
                         DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE
     AU 9532031
                          A1
                                 19960222
                                             AU 1995-32031
                                                                      19950727
     AU 692290
                          B2
                                 19980604
     ZA 9506276
                          Α
                                 19970127
                                             ZA 1995-6276
                                                                      19950727
     ZA 9506277
                                             ZA 1995-6277
                          Α
                                 19970127
                                                                      19950727
     CN 1142889
                          Α
                                 19970219
                                             CN 1995-108480
                                                                      19950727
     EP 775208
                          A2
                                 19970528
                                             EP 1995-920171
                                                                      19950727
         R: ES, IT
     CN 1164871
                                 19971112
                          Α
                                             CN 1995-194358
                                                                      19950727
     BR 9508441
                          Α
                                             BR 1995-8441
                                 19971118
                                                                      19950727
     SK 283015
                          В6
                                 20030204
                                             SK 1995-952
                                                                     19950727
     AT 265804
                          E
                                 20040515
                                            AT 1995-305237
                                                                     19950727
     ES 2219654
                          Т3
                                 20041201
                                             ES 1995-305237
                                                                     19950727
PRAI US 1994-281916
                          A2
                                 19940727
    US 1994-322679
                          Α
                                 19941013
     WO 1995-US9527
                          W
                                 19950727
     4193-55-9, Calcofluor white M2R 16090-02-1, Blancophor
IT
     RL: AGR (Agricultural use); POF (Polymer in formulation); BIOL (Biological
     study); USES (Uses)
        (UV-resistant formulations for delivery of insecticidal viruses and
        other biopesticides to field crops)
```

RN 4193-55-9 CAPLUS CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-

hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-B

— cн₂— он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 198 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:574945 CAPLUS

DN 131:287728

TI The synthesis and properties of some unsaturated triazinylstilbene fluorescent brightening agents

AU Konstantinova, T. N.; Konstantinov, Hr. I.; Betcheva, R. I.

CS Organic Synthesis Department, University of Chemical Technology and Metallurgy, Sofia, 1756, Bulg.

SO Dyes and Pigments (1999), 43(3), 197-201 CODEN: DYPIDX; ISSN: 0143-7208

PB Elsevier Science Ltd.

DT Journal

LA English

IT 246860-71-9P 246860-72-0P 246860-73-1P 246860-74-2P

RL: PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(preparation and properties of polymerizable triazinylstilbene fluorescent brighteners)

RN 246860-71-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(phenylamino)-6-(2-propenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

 \sim NH- CH $_2-$ CH= CH $_2$

RN 246860-72-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(di-2-propenylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

 $-cH=cH_2$

RN 246860-73-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(1-oxo-2-propenyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CFINDEX NAME)

PAGE 1-B

RN 246860-74-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methyl-1-oxo-2-propenyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

NHPh
SO3H
SO3H
NHPh
NH
NN
NH
NH
NH
NH
NH

PAGE 1-B

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 199 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1999:568451 CAPLUS
- DN 131:333570
- TI Interaction between calcofluor white and carbohydrates of $\alpha 1$ -acid glycoprotein. [Erratum to document cited in CA131:55471]
- AU Albani, J. R.; Plancke, Y. D.
- CS Laboratoire de Biophysique Moleculaire, Universite des Sciences et Technologies de Lille, Villeneuve d'Ascq, F-59656, Fr.
- SO Carbohydrate Research (1999), 318(1-4), 193 CODEN: CRBRAT; ISSN: 0008-6215

PB Elsevier Science Ltd.

DT Journal

LA English

IT 4193-55-9

RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)

(interaction between calcofluor white and carbohydrates of $\alpha 1$ -acid glycoprotein (Erratum))

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 200 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:557989 CAPLUS

DN 131:318879

TI Vital fluorescent stains for detection of stress in Pythium ultimum and Rhizoctonia solani challenged with viscosinamide from Pseudomonas fluorescens DR54

AU Thrane, C.; Olsson, S.; Harder Nielsen, T.; Sorensen, J.

CS Department of Ecology, Section of Genetics and Microbiology, Royal Veterinary and Agricultural University, Copenhagen, DK-1871, Den.

SO FEMS Microbiology Ecology (1999), 30(1), 11-23 CODEN: FMECEZ; ISSN: 0168-6496

PB Elsevier Science B.V.

DT Journal

LA English

IT 4193-55-9, Calcofluor White M 2R

RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses) (vital fluorescent stains for detection of stress in Pythium ultimum and Rhizoctonia solani challenged with viscosinamide from Pseudomonas fluorescens DR54)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂— он

RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 201 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:549263 CAPLUS

DN 131:171518

TI Preparation of 4,4-bis(triazinylamino)-stilbene-2,2'-disulfonic acid compounds and compositions containing them

IN Metzger, Georges; Cuesta, Fabienne; Rohringer, Peter; Reinehr, Dieter;
 Schlatter, Rene

PA Ciba Specialty Chemicals Holding Inc., Switz.

SO PCT Int. Appl., 22 pp. CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.						KIND DATE			APPLICATION NO.							DATE			
ΡI	WO	WO 9942454		A1 19990826			1	WO 1	999-1	19990213										
		W:	AL,	AM,	ΑT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	CA,	CH,	CN,	CU,	CZ,	DE,		
			DK,	EE,	ES,	FI,	GB,	GD,	GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,		
			KE,	KG,	ΚP,	KR,	ΚZ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	MD,	MG,	MK,	MN,		
			MW,	MX,	NO,	ΝZ,	PL,	PT,	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL,	ТJ,	TM,		
			TR,	TT,	UA,	UG,	US,	UZ,	VN,	YU,	ZW									
		RW:	GH,	GM,	ΚE,	LS,	MW,	SD,	SZ,	UG,	ZW,	ΑT,	BE,	CH,	CY,	DE,	DK,	ES,		
			FI,	FR,	GB,	GR,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE,	BF,	ВJ,	CF,	CG,	CI,		
			CM,	GΑ,	GN,	GW,	ML,	MR,	NE,	SN,	TD,	TG								
	CA 2319641		AA 19990826			1	CA 1	999-		19990213										
	AU 9928337		Al 19990906			0906		AU 1	999-:		19990213									
	AU 759897		B2 20030501																	
	BR	9908	116			Α	A 20001031			BR 1999-8116						19990213				
	EP 1054873			A 1		2000	1129	EP 1999-908890						19990213						

	EP	1054873			В1	200	40922							
		R:	BE,	CH,	DE,	ES,	FR, GE	, IT,	LI, N	L, SE,	PT,	FI		
	JP	20025	50372	27		Т2	200	20205	JP	2000-	5324	06		19990213
	RU	2241	703			C2	200	41210	RU	2000-	1242	70		19990213
	ES	2228	013			Т3	200	50401	ES	1999-	9088	90	_	19990213
	IL	13753	34			A 1	200	50831	IL	1999-	1375	34		19990213
	US	6365	737			В1	200	20402	US	2000-	6224	72		20000817
PRAI	ΕP	1998-	-810	140		Α	199	80220						
	WO	1999-	-EP95	50		W	199	90213						
os	MAI	RPAT :	131:1	1715	18									

IT 4193-55-9P 31900-04-6P 238419-95-9P

238419-96-0P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(preparation of 4,4-bis(triazinylamino)-stilbene-2,2'-disulfonic acid compds. as brightening agents and sun protection agents for textile and paper)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

-- CH2- ОН

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 238419-95-9 CAPLUS

CN L-Aspartic acid, N,N'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-(phenylamino)-1,3,5-triazine-4,2-diyl]]]bis-, hexasodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry unknown.

●6 Na

PAGE 1-B

_со₂н

RN 238419-96-0 CAPLUS

CN Aspartic acid, N,N'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[(4-acetylphenyl)amino]-1,3,5-triazine-4,2-diyl]]]bis-, hexasodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●6 Na

PAGE 1-B

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 202 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:526328 CAPLUS

DN 131:189364

TI Fluorescent whitening agents as facile anthropogenic pollution indicators in estuarine and surface waters

AU Cioffi, E. A.; Goblick, G. L.

CS Department of Chemistry, University of South Alabama, Mobile, AL, 36688-0002, USA

SO Preprints of Extended Abstracts presented at the ACS National Meeting, American Chemical Society, Division of Environmental Chemistry (1999), 39(2), 25-29
CODEN: PEACF2; ISSN: 1524-6434

PB American Chemical Society, Division of Environmental Chemistry

DT Journal

LA English

IT 56776-29-5, DASC-4 56776-30-8, DASC-3 59453-69-9, DASC-2

RL: ANT (Analyte); POL (Pollutant); ANST (Analytical study); OCCU (Occurrence)

(fluorescent whitening agent determination in surface water by selective ion-pair chromatog. and field fluorometry following solid phase extraction from water column)

RN 56776-29-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1E)-1,2-ethenediylbis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Double bond geometry as shown.

●2 Na

RN 56776-30-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1E)-1,2-ethenediylbis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Double bond geometry as shown.

●2 Na

RN 59453-69-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1E)-1,2-ethenediylbis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Double bond geometry as shown.

●2 Na

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 203 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1999:526322 CAPLUS
- DN 131:189323
- TI Fluorescent whitening agents (FWAs) in Tokyo Bay: their applications as anthropogenic molecular markers in coastal environments
- AU Takada, Hideshige; Hayashi, Yuko
- CS Faculty of Agriculture, Tokyo University of Agriculture and Technology, Tokyo, 183-8509, Japan
- Preprints of Extended Abstracts presented at the ACS National Meeting, American Chemical Society, Division of Environmental Chemistry (1999), 39(2), 9-12
 - CODEN: PEACF2; ISSN: 1524-6434
- PB American Chemical Society, Division of Environmental Chemistry
- DT Journal
- LA English
- IT 24231-46-7
 - RL: POL (Pollutant); OCCU (Occurrence)
 (using fluorescent whitening agents as anthropogenic mol. markers in
 river water and coastal seawater and sediment, Tokyo Bay, Japan)
- RN 24231-46-7 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 204 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1999:514248 CAPLUS
- DN 131:269376
- TI Chemotyping of yeast mutants using robotics
- AU Rieger, Klaus-Jorg; El-Alama, Mohamed; Stein, Georg; Bradshaw, Charles; Slonimski, Piotr P.; Maundrell, Kinsey
- CS Centre de Genetique Moleculaire du Centre National de la Recherche

Scientifique, Laboratoire Propre Associe a L'Universite Pierre et Marie Curie, Gif-sur-Yvette, F-91198, Fr.

- SO Yeast (1999), 15(10B), 973-986 CODEN: YESTE3; ISSN: 0749-503X
- PB John Wiley & Sons Ltd.
- DT Journal
- LA English
- IT 4193-55-9, Fluorescent brightener 28
 RL: BAC (Biological activity or effector, except adverse); BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study);
 PROC (Process)

(VAC7 deletion mutations response to; chemotyping of yeast mutants using robotics)

- RN 4193-55-9 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

— cн₂- он

RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 205 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1999:487048 CAPLUS
- DN 131:225896
- TI Role of NaOH-extractable cell wall proteins Ccw5p, Ccw6p, Ccw7p and Ccw8p (members of the Pir protein family) in stability of the Saccharomyces cerevisiae cell wall
- AU Mrsa, Vladimir; Tanner, Widmar
- CS Institut fur Zellbiologie und Pflanzenphysiologie, Universitat Regensburg, Regensburg, 93040, Germany
- SO Yeast (1999), 15(10A), 813-820 CODEN: YESTE3; ISSN: 0749-503X
- PB John Wiley & Sons Ltd.
- DT Journal
- LA English
- IT 4193-55-9

RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)

(Calcofluor white, mutants showed pronounced susceptibility to; role of NaOH-extractable cell wall proteins Ccw5p, Ccw6p, Ccw7p and Ccw8p (members of Pir protein family) in stability of Saccharomyces cerevisiae cell wall)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L4 ANSWER 206 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
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AN 1999:454277 CAPLUS

DN 131:85144

TI Ectoparasite detection method

IN Spiesel, Sydney Z.

PA USA

SO PCT Int. Appl., 16 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN CNT 1

PAN.	CNT	_																		
	PATENT NO.					KIN	D	DATE			APPLICATION NO.						DATE			
ΡI	WO 9935498			A1 19990			0715	5 WO 1999-US103						19990105						
		W:	AL,	AM,	ΑT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	CA,	CH,	CN,	CU,	CZ,	DE,		
			DK,	EE,	ES,	FI,	GB,	GD,	GΕ,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,		
			ΚE,	KG,	KP,	KR,	ΚZ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	MD,	MG,	MK,	MN,		
			MW,	MX,	NO,	NZ,	PL,	PT,	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL,	ТJ,	TM,		
			TR,	TT,	UA,	ŬĠ,	UΖ,	VN,	YU,	ZW,	AM,	ΑZ,	BY,	KG,	ΚZ,	MD,	RU,	ТJ,	TM	
		RW:	GH,	GM,	ΚE,	LS,	MW,	SD,	SZ,	UG,	ZW,	ΑT,	BE,	CH,	CY,	DE,	DK,	ES,		
			FI,	FR,	GB,	GR,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE,	BF,	ВJ,	CF,	CG,	CI,		
			CM,	GΑ,	GN,	GW,	ML,	MR,	ΝE,	SN,	TD,	TG								

US 5997847 Α 19991207 US 1998-4121 19980107 AU 1999-22121 19990105 AU 9922121 A1 19990726 PRAI US 1998-4121 Α 19980107 WO 1999-US103 W 19990105

IT 4193-55-9, Calcofluor White M 2R

RL: NUU (Other use, unclassified); USES (Uses) (ectoparasite detection method)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

PAGE 1-B

— cн₂- он

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 207 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:397682 CAPLUS

DN 131:198707

TI Studies on analytical method for determination of fluorescent whitening agents in paper containers for food

AU Jao, Mai-Ling; Liao, Mei-Ing; Huang, Chun-Tzu; Cheng, Chieu-Chen; Chou, Shin-Shu

CS Department of Health, National Laboratories of Foods and Drugs, Taipei, Taiwan

SO Yaowu Shipin Fenxi (1999), 7(1), 53-63 CODEN: YSFEEP; ISSN: 1021-9498

PB National Laboratories of Food and Drugs, Dep. of Health, Executive Yuan

DT Journal

LA English

IT 16090-02-1, C.I. Fluorescent Brightener 71 RL: ANT (Analyte); ANST (Analytical study)

(DMS-X; anal. method for determination of fluorescent whitening agents in

paper containers for food)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-

(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

IT 4193-55-9, C.I. Fluorescent Brightener 28 17958-73-5,

C.I. Fluorescent Brightener 85

RL: ANT (Analyte); ANST (Analytical study)

(anal. method for determination of fluorescent whitening agents in paper containers for food)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

•2 Na

PAGE 1-B

— cн₂— он

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

PAGE 1-B

~ ин-сн₂-сн₂-он

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 208 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:392994 CAPLUS

DN 131:33257

TI Asymmetric triazinylaminostilbene compounds useful as sun protection agents applied to textiles

IN Metzger, Georges; Reinehr, Dieter; Eckhardt, Claude; Cuesta, Fabienne

PA Ciba Specialty Chemicals Holding Inc., Switz.

SO Eur. Pat. Appl., 23 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

ran.	PATE	NT NO.			KINI	D DAT	E	1	APP	LICA	TION	NO.		D.	ATE	
PI		22699			A1		90616	I	EP	1998	-8112	00		1	9981	204
		22699			В1		41117									
		R: AT,	BE,	CH,	DE,	DK, ES	, FR,	GB,	GR	R, IT	, LI,	LU,	NL,	SE,	MC,	PT,
		IE,	SI,	LT,	LV,	FI, RO										
	TW 5	67185			В	200	31221		ΓW	1998	-8711	8990		1	9981	117
	ES 2	231953			Т3	200	50516	I	ES	1998	-8112	00		1	9981	204
	ZA 9	811317			Α	199	90614	2	ZA	1998	-1131	.7		1	9981	210
	NZ 3	33281			Α	200	00327	1	ΝZ	1998	-3332	81		1	9981	210
	AU 9	897061			A 1	199	90701	7	ΑU	1998	-9706	1		1	9981	211
	AU 7	48572			B2	200	20606									
	US 6	143889			Α	200	01107	τ	JS	1998	-2099	40		1	9981	211
	CN 1:	224006			Α	199	90728	(CN	1998	-1265	28		1	9981	212
	CN 1	130352			В	200	31210									
	JP 1	1246534			A2	199	90914		JP	1998	-3544	49		1	9981	214
	BR 9	805342			Α	200	00201	1	BR	1998	-5342	!		1	9981	214
		482241			B1		21119	_			-6577				0000	
PRAI		997-263	65		A		71213	`	-	2000	5571			-	5500	
11011		998-209			A3		81211									
	03 I	330-203	740		AS	199	01211									

OS MARPAT 131:33257

IT 31900-04-6P 200395-08-0P 203250-74-2P

226721-06-8P 226721-17-1P 226721-26-2P

226721-33-1P

RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)

(UV absorber; asym. triazinylaminostilbene compds. useful as sun protection agents applied to textiles)

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 200395-08-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(4-acetylphenyl)amino]-6-[(2-methoxyethyl)amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

— CH2- CH2- ОМе

RN 203250-74-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-[[4-[(methylamino)carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

RN 226721-06-8 CAPLUS

CN Benzoic acid, 4-[[4-[[4-[[4-[[4-[[4-[[4-(aminocarbonyl)phenyl]amino]-6-(methylamino)-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]-3-sulfophenyl]amino]-6-(methylamino)-1,3,5-triazin-2-yl]amino]-, trisodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●3 Na

PAGE 1-B

RN 226721-17-1 CAPLUS

CN Benzenesulfonic acid, 5-[[4-(methylamino)-6-[[4-[(methylamino)carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-2-[2-[4-[[4-

(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2sulfophenyl]ethenyl]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

RN 226721-26-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[4-(aminocarbonyl)phenyl]amino]-6-[(2-methoxyethyl)amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

RN 226721-33-1 CAPLUS

CN Benzenesulfonic acid, 5-[[4-[(4-acetylphenyl)amino]-6-[(2-methoxyethyl)amino]-1,3,5-triazin-2-yl]amino]-2-[2-[4-[[4-[[4-(aminocarbonyl)phenyl]amino]-6-[(2-methoxyethyl)amino]-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

MeO-CH₂-CH₂-NH SO₃H SO₃H NH

AC

NH NH NH NH

●2 Na

PAGE 1-B

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 209 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:344866 CAPLUS

DN 131:2520

TI A method for detecting chitin-containing organisms

IN Burns, Edward R.; Wittner, Murray; Faskowitz, Fagie

PA Albert Einstein College of Medicine of Yeshiva University, USA

SO PCT Int. Appl., 15 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

	PA'	PENT 1	NO.			KIN	D :	DATE		1	APPL	ICAT	ION I	NO.		DZ	ATE	
ΡI	WO	9925	 390			A1	-	1999	0527	1	WO 1:	 998-1	US24	 602		19	9981	 117
		W:	AL,	AM,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BY,	CA,	CH,	CN,	CU,	CZ,	DE,
			DK,	EE,	ES,	FI,	GB,	GE,	GH,	GM,	HR,	HU,	ID,	IL,	IS,	JP,	KE,	KG,
			KP,	KR,	KZ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	MD,	MG,	MK,	MN,	MW,	MX,
			NO,	NZ,	PL,	PT,	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL,	ТJ,	TM,	TR,	TT,
			UA,	UG,	UZ,	VN,	ΥU,	ZW,	AM,	ΑZ,	BY,	KG,	ΚZ,	MD,	RU,	ТJ,	TM	
		RW:	GH,	GM,	KE,	LS,	MW,	SD,	SZ,	UG,	ZW,	ΑT,	BE,	CH,	CY,	DE,	DK,	ES,
			FI,	FR,	GB,	GR,	ΙE,	IT,	LU,	MC,	ΝL,	PT,	SE,	BF,	ВJ,	CF,	CG,	CI,
			CM,	GΑ,	GN,	GW,	ML,	MR,	ΝE,	SN,	TD,	TG						
	US	5997	846			Α		1999	1207	1	US 1	997-	9713	84		19	9971	117
	ΑU	9915	901			A1		1999	0607	1	AU 1	999-	1590	1		19	9981	117
PRAI	US	1997	-971	384		Α		1997	1117									
	WO	1998	-US2	4602		W		1998	1117									
IT	419	93-55	-9															

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(Tinopal UNPA-GX; a method for detecting chitin-containing organisms)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 210 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1999:342863 CAPLUS
- DN 131:117737
- TI Exhaustion and leveling properties of fluorescent whitening agents in low temperature laundry processes
- AU Kasching, J.; Puebla, C.; Schmidt, E.
- CS Ciba Specialty Chemical Inst., Basel, Switz.
- SO Comunicaciones presentadas a la Jornadas del Comite Espanol de la Detergencia (1999), 29, 211-221 CODEN: CJCDD7; ISSN: 0212-7466
- PB Comite Espanol de la Detergencia, Tensioactivos y Afines
- DT Journal
- LA English
- IT 24231-46-7

RL: MOA (Modifier or additive use); USES (Uses)
(exhaustion and leveling properties of fluorescent whitening agents in low temperature laundry processes)

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 211 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:316480 CAPLUS

DN 130:326493

TI Whitening of paper by adding a chelating agent and/or fluorescent whitening agent to lignin-containing pulps

IN Nelson, Randall B.

PA Ciba Specialty Chemicals Corporation, USA

SO U.S., 14 pp. CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KTND	DATE	APPLICATION NO.	DATE
	PAIENT NO.	KIND	DAIL	AFFIICATION NO.	DAIL
PΙ	US 5902454	Α	19990511	US 1996-766909	19961213
PRAI	US 1996-766909		19961213		

OS MARPAT 130:326493

IT 4193-55-9

RL: NUU (Other use, unclassified); USES (Uses)
(fluorescent whitener; whitening of paper by adding a chelating agent
and/or fluorescent whitening agent to lignin-containing pulps)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

PAGE 1-B

- сн₂- он

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 212 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:306407 CAPLUS

DN 131:55471

TI Interaction between calcofluor white and carbohydrates of αl -acid glycoprotein

AU Albani, Jihad R.; Plancke, Yves D.

CS Laboratoire de Biophysique Moleculaire, Universite des Sciences et Technologies de Lille, Villeneuve, F-59656, Fr.

Technologies de Lille, Villeneuve, F-59656, Fr. SO Carbohydrate Research (1998), 314(3-4), 169-175 CODEN: CRBRAT; ISSN: 0008-6215

PB Elsevier Science Ltd.

DT Journal

LA English

IT 4193-55-9

RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)

(interaction between calcofluor white and carbohydrates of $\alpha 1$ -acid glycoprotein)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

•2 Na

PAGE 1-B

— cн₂- он

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 213 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:247681 CAPLUS

DN ·131:99391

TI Incorporation of cotton blue and calcofluor white M2R into conventional paraffin section

AU Kuo, KerChung

CS Taiwan Agricultural Chemicals and Toxic Substances Research Institute, Wufeng, Taiwan

SO Zhiwu Baohu Xuehui Huikan (1999), 41(1), 79-82 CODEN: PLPBBH; ISSN: 0577-750X

PB Plant Protection Society of the Republic of China

DT Journal

LA Chinese

IT 4193-55-9, Calcofluor white M 2R
RL: NUU (Other use, unclassified); USES (Uses)
 (incorporation of cotton blue and calcofluor white M2R into conventional paraffin section)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 214 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:224727 CAPLUS

DN 130:268723

TI A dispersion of silicate and fluorescent compounds for optically brightening paper

IN Engelhardt, Thomas; Rohringer, Peter

PA Ciba Specialty Chemicals Holding Inc., Switz.

SO Eur. Pat. Appl., 16 pp. CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND DA	ATE	APPLICATION NO.	DATE
PI	EP 905317	A1 19	990331	EP 1998-810889	19980908
	R: AT, BE, CH,	DE, DK, E	S, FR, GB,	GR, IT, LI, LU, NL, S	SE, MC, PT,
	IE, SI, LT,	LV, FI, R	RO		
	NZ 331438	A 20	000128	NZ 1998-331438	19980818
	CA 2247569	AA 19	990316	CA 1998-2247569	19980914
	US 6302999	B1 20	011016	US 1998-152986	19980914
	ZA 9808419	A 19	990316	ZA 1998-8419	19980915
	AU 9885166	A1 19	990401	AU 1998-85166	19980915
	AU 740519	B2 20	011108		
	BR 9803447	A 20	020924	BR 1998-3447	19980915
	US 2002084049	A1 20	020704	US 2001-949691	20010910
	US.6464832	B2 20	021015		
PRAI	EP 1997-810668	A 19	970916		
	US 1998-152986	A3 19	980914		
os	MARPAT 130:268723			·	
IT	4193-55-9 13863-31-9	5 16090-02	-1		
	RL: MOA (Modifier of	r additive	use); USE	S (Uses)	
	(fluorescent com	ods.; a di	spersion o	f silicate and fluores	scent compds.

(fluorescent compds.; a dispersion of silicate and fluorescent compds for optically brightening paper)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

— cн₂- он

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

— cн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 215 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:219968 CAPLUS

DN 130:242139

TI Hair care compositions comprising optical brighteners and stability

enhancing agents

IN Uchiyama, Hirotaka; Mitsumatsu, Arata

PA The Procter & Gamble Company, USA

SO PCT Int. Appl., 62 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

W: BR, CN, JP, US

RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

PRAI WO 1997-US16620 19970917

IT 4193-55-9, Tinopal UNPA-GX

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(hair-care compns. containing optical brighteners and stability-enhancing agents)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2-N$
 $N-CH_2$
 $N-CH_$

•2 Na

PAGE 1-B

— cн₂— он

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 216 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:219967 CAPLUS

DN 130:242138

TI Hair care compositions comprising optical brighteners and high melting point compounds

IN Luo, Xiaochun; Mitsumatsu, Arata

PA The Procter & Gamble Company, USA

SO PCT Int. Appl., 65 pp. CODEN: PIXXD2

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DT
     Patent
LA
     English
FAN.CNT 5
     PATENT NO.
                           KIND
                                   DATE
                                                APPLICATION NO.
                                                                         DATE
                                                ______
                                   _____
                                                                         19970917
                                   19990325
                                               WO 1997-US16618
PΙ
     WO 9913849
                           A1
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              PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG,
              UZ, VN, YU, ZW
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              GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,
              GN, ML, MR, NE, SN, TD, TG
                                               AU 1997-44864
     AU 9744864
                            A1
                                   19990405
                                                                         19970917
     WO 9913823
                            A2
                                                WO 1998-IB1381
                                                                         19980904
                                   19990325
     WO 9913823
                            А3
                                   19990812
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              NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
              UA, UG, US, UZ, VN, YU, ZW
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     AU 9888190
                            A1
                                  19990405
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                                  20000808
                                               BR 1998-12818
                                                                         19980904
                            Α
     EP 1028697
                                  20000823
                                               EP 1998-939798
                            A2
                                                                         19980904
                          DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI
         R: AT, BE, CH,
                            T2
                                                JP 2000-511451
     JP 2001516701
                                  20011002
                                                                         19980904
PRAI WO 1997-US16412
                            Α
                                  19970917
     WO 1997-US16615
                                  19970917
                            Α
     WO 1997-US16617
                            Α
                                  19970917
     WO 1997-US16618
                            Α
                                  19970917
     WO 1997-US16619
                            Α
                                  19970917
     WO 1998-IB1381
                            W
                                  19980904
IT
     4193-55-9, Tinopal UNPA-GX
     RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
     (Uses)
        (hair-care compns. containing optical brighteners and high m.p. compds.)
RN
     4193-55-9 CAPLUS
CN
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-
     hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium
```

salt (9CI) (CA INDEX NAME)

— cн₂- он

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L4 ANSWER 217 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
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AN 1999:219966 CAPLUS

DN 130:242137

TI Hair-care compositions comprising optical brighteners and polymeric suspending agents

IN Mitsumatsu, Arata; Salvador, Dorothy Yong Juanico

PA The Procter & Gamble Company, USA

SO PCT Int. Appl., 67 pp. CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PAT	CENT 1	NO.			KIN	D	DATE			APPL:	ICAT	ION	NO.		D	ATE	
PI	WO	9913	848			A1	_	1999	0325	1	WO 1	997-1	US16	616		1	9970	917
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			DK,	EE,	ES,	FI,	GB,	GE,	GH,	HU,	ID,	IL,	IS,	JP,	ΚE,	KG,	KP,	KR,
			ΚZ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	MD,	MG,	MK,	MN,	MW,	MX,	NO,	ΝZ,
			PL,	PT,	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL,	ТJ,	TM,	TR,	TT,	UΑ,	UG,
			UZ,	VN,	YU,	ZW												
		RW:	GH,	ΚE,	LS,	MW,	SD,	SZ,	UG,	ZW,	ΑT,	BE,	CH,	DE,	DK,	ES,	FI,	FR,
			GB,	GR,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE,	BF,	ВJ,	CF,	CG,	CI,	CM,	GΑ,
			GN,	ML,	MR,	ΝE,	SN,	TD,	TG									
	ΑU	9744	863			A 1		1999	0405	1	AU 19	997-	4486	3		1:	9970	917
	WO	9913	822			A1		1999	0325	1	WO 1	998-	IB13	80		1	9980	904
		W:	BR,	CN,	JP,	ΜX,	US											
		RW:	ΑT,	BE,	CH,	CY,	DE,	DK,	ES,	FI,	FR,	GB,	GR,	ΙE,	IT,	LU,	MC,	NL,
			PT,	SE											•			
דעממ	TATO	1007	TIC1	6616		70		1007	0017									

PRAI WO 1997-US16616 A 19970917

IT 4193-55-9, Tinopal UNPA-GX

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(hair prepns. containing optical brighteners and polymeric suspending agents)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 218 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1999:219965 CAPLUS ΑN

DN 130:227516

Hair care compositions comprising optical brighteners and non-volatile ΤI

Mitsumatsu, Arata; Salvador, Dorthy Yong Juanico IN

The Procter & Gamble Company, USA PΑ

PCT Int. Appl., 67 pp. SO

CODEN: PIXXD2

DTPatent

LΑ English

	CNT 1 PATENT				KIN		DATE				ICAT:					ATE		
ΡI	WO 9913	- 847					1999	0325								9970	917	
	W:	AL,	AM,	AT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	CA,	CH,	CN,	CU,	CZ,	DE,	
		DK,	EE,	ES,	FI,	GB,	GE,	GH,	HU,	ID,	IL,	IS,	JP,	KE,	KG,	KP,	KR,	
		ΚZ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	MD,	MG,	MK,	MN,	MW,	MX,	NO,	ΝZ,	
		PL,	PT,	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL,	ТJ,	TM,	TR,	TT,	UA,	ŪG,	
		US,	UZ,	VN,	YU,	ZW												
	R₩:	GH,	KE,	LS,	MW,	SD,	SZ,	ŬĠ,	ZW,	ΑT,	BE,	CH,	DE,	DK,	ES,	FI,	FR,	
		GB,	GR,	ΙĒ,	IT,	LU,	MC,	ΝL,	PT,	SE,	BF,	ВJ,	CF,	CG,	CI,	CM,	GΑ,	
		GN,	ML,	MR,	ΝE,	SN,	TD,	TG										
	AU 9744	239			A 1		1999	0405		AU 1	997-	4423	9		1	9970	917	
	EP 1011	616			A 1		2000	0628		EP 1	997-	9425	62		1	9970	917	
	R:	AT,																FI
	BR 9714	883			Α		2000	8080		BR 1	997-	1488	3		1	9970	917	
	CN 1275						2000	1206	(CN 1	997-	1824	42		1	9970	917	
	JP 2001	51670	7		Т2		2001	1002		JP 2	000-	5114	73		1	9970	917	
	ZA 9808						1999			ZA 1	998-	8154			1	9980	907	
PRAI	WO 1997	-US16	5578		Α		1997	0917										
ΙT	4193-55	-9, T	'inor	pal	UNPA-	-GX												

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

(Uses)

(hair-care compns. containing optical brighteners and non-volatile solvents to prevent crystallization)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

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RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 219 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:219964 CAPLUS

DN 130:227515

TI Hair care compositions comprising optical brighteners and silicone compounds

IN Luo, Xiaochun; Setser, Julia Leet; Mitsumatsu, Arata

PA The Procter & Gamble Company, USA

SO PCT Int. Appl., 65 pp. CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 5

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                                    19990317
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PRAI WO 1997-US16412
                                    19970917
                             Α
     WO 1997-US16615
                                    19970917
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     WO 1997-US16618
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                                    19970917
     WO 1998-IB1381
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                                    19980904
     4193-55-9, Tinopal UNPA-GX
IT
     RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
     (Uses)
         (shampoos containing optical brighteners and silicone compds. and
         surfactants)
     4193-55-9 CAPLUS
RN
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-
CN
     hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium
     salt (9CI) (CA INDEX NAME)
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●2 Na

PAGE 1-B

— cн₂- он

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 220 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN AN 1999:219963 CAPLUS

```
10/519,031
DN
      130:227514
      Hair care compositions comprising optical brighteners which alter hair
TI
IN
      Luo, Xiaochun; Tian, Minmin; Mao, Hsiang Kuen
      The Procter & Gamble Company, USA
PA
      PCT Int. Appl., 89 pp.
SO
      CODEN: PIXXD2
DT
      Patent
      English
LΑ
FAN.CNT 1
      PATENT NO.
                                KIND
                                          DATE
                                                         APPLICATION NO.
                                 ____
      WO 9913845
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                                          19990325
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                 KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ,
           PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,
                 GN, ML, MR, NE, SN, TD, TG
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AU 9743513 **A1** 19990405 AU 1997-43513 19970917 EP 1011615 **A1** 20000628 EP 1997-941650 19970917 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI

BR 9714977 Α 20001024 BR 1997-14977 19970917 CN 1275904 Α 20001206 CN 1997-182451 19970917 19970917 JP 2001516706 T2 JP 2000-511471 20011002 ZA 1998-8150 19980907 ZA 9808150 Α 19990615 PRAI WO 1997-US16410 19970917 Α

4193-55-9, Tinopal UNPA-GX

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(hair prepns. containing optical brighteners and surfactants and fixative polymers)

RN4193-55-9 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A $HO-CH_2-CH_2$ HO-CH2-CH2 но-с_{н2}-с_{н2}- N N- CH2-SO3H SO3H CH CH NHPh

— сн₂- он

RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ANSWER 221 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
AN
     1999:219962 CAPLUS
     130:242136
DN
     Hair care compositions comprising optical brighteners which provide UV
TI
     protection
     Tian, Minmin; Luo, Xiaochun; Ono, Ikuko
IN
PA
     The Procter & Gamble Company, USA
     PCT Int. Appl., 84 pp.
SO
     CODEN: PIXXD2
DT
     Patent
LΑ
     English
FAN.CNT 1
     PATENT NO.
                           KIND
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                                                APPLICATION NO.
                                                                          DATE
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                                   19990325
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              PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
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PRAI WO 1997-US16406 A IT 4193-55-9, Tinopal UNPA-GX

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

20011002

19991108

19970917

Т2

Α

(hair prepns. containing optical brighteners and scattering particles)

JP 2000-511470

ZA 1998-8151

19970917

19980907

RN 4193-55-9 CAPLUS

JP 2001516705

ZA 9808151

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

Na

PAGE 1-B

— cн₂- он

THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD RE.CNT 23 ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 222 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

AN 1999:219961 CAPLUS

DN 130:227513

ΤI Hair styling compositions comprising anionic optical brighteners

Yang, Jian-Zhong; Mitsumatsu, Arata IN

The Procter & Gamble Company, USA PΑ

so PCT Int. Appl., 43 pp.

CODEN: PIXXD2

DTPatent

LA English

	PAT	ENT :	NO.			KINI)	DATE			APPL	ICAT	ION I	10.		Dž	ATE		
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PRAI	WO	1997	-US1	6315		Α		1997	0917										
		3-55																	
		BUU						_1	.: =: .	1 \						1			

(Uses)

(hair styling compns. containing anionic optical brighteners and fixative polymers)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

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RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 223 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:219959 CAPLUS

DN · 130:257159

TI Hair styling compositions comprising nonionic and amphoteric optical brighteners

IN Yang, Jian-Zhong; Mitsumatsu, Arata

PA The Procter & Gamble Company, USA

SO PCT Int. Appl., 58 pp. CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

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RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(hair styling compns. containing nonionic and amphoteric optical brighteners and fixative polymers)

RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 52435-15-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

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RN 54822-17-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(ethylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

IT

4193-55-9, Tinopal UNPA-GX

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RE.CNT 7
              THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
     ANSWER 224 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
     1999:219956 CAPLUS
AN
DN
     130:242135
TΙ
     Hair care compositions comprising optical brighteners and perfume
     compounds
     Uchiyama, Hirotaka
IN
PA
     The Procter & Gamble Company, USA
     PCT Int. Appl., 67 pp.
SO
     CODEN: PIXXD2
DT
     Patent
     English
LА
FAN.CNT 5
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                                 DATE
                                             APPLICATION NO.
                                                                     DATE
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     EP 1028697
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                                             EP 1998-939798
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                                                                     19980904
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                                 19970917
     WO 1997-US16615
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     WO 1997-US16619
                                 19970917
                                 19980904
     WO 1998-IB1381
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RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(hair care compns. containing optical brighteners and perfumes)

RN 4193-55-9 CAPLUS

CN. Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

•2 Na

PAGE 1-B

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RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 225 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:219955 CAPLUS

DN 130:242134

TI Hair care compositions comprising optical brighteners and cationic compounds

IN Mitsumatsu, Arata

PA The Procter & Gamble Company, USA

SO PCT Int. Appl., 68 pp. CODEN: PIXXD2

Patent

LA English

FAN CNT 5

DT

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PI	WO	9913	833			A1		1999	0325	1	wo 1	997-1	US16	617		19	9970	917
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WO 9913823
                                    19990812
                             A3
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              NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
              UA, UG, US, UZ, VN, YU, ZW
          RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
              FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
              CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     AU 9888190
                             A1
                                    19990405
                                                 AU 1998-88190
                                                                            19980904
     BR 9812818
                                    20000808
                                                 BR 1998-12818
                                                                            19980904
                             Α
                                    20000823
                                                 EP 1998-939798
     EP 1028697
                             A2
                                                                            19980904
          R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI
                                    20011002
                                                 JP 2000-511451
     JP 2001516701
                             Т2
                                                                            19980904
PRAI WO 1997-US16412
                                    19970917
                             Α
     WO 1997-US16615
                             Α
                                    19970917
     WO 1997-US16617
                                    19970917
                             Α
     WO 1997-US16618
                             Α
                                    19970917
     WO 1997-US16619
                             Α
                                    19970917
     WO 1998-IB1381
                             W
                                    19980904
IT
     4193-55-9, Tinopal UNPA-GX
     RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
     (Uses)
         (hair care compns. containing optical brighteners and cationic compds.)
RN
     4193-55-9 CAPLUS
CN
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-
     hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium
     salt (9CI) (CA INDEX NAME)
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●2 Na

PAGE 1-B

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RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 226 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1999:219954 CAPLUS
- DN 130:242133
- TI Hair care compositions comprising optical brighteners and water-insoluble

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high molecular weight oily compounds
     Mitsumatsu, Arata
IN
     The Procter & Gamble Company, USA
PA
SO
     PCT Int. Appl., 64 pp.
     CODEN: PIXXD2
DT
     Patent
     English
LΑ
FAN.CNT 5
     PATENT NO.
                         KIND
                                DATE
                                             APPLICATION NO.
                                                                    DATE
                          A1
                                19990325
                                             WO 1997-US16615
PI
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             AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
             DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR,
             KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG,
             UZ, VN, YU, ZW
         RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR,
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             GN, ML, MR, NE, SN, TD, TG
                                             AU 1997-43552
     AU 9743552
                          A1
                                19990405
                                                                     19970917
     WO 9913823
                          A2
                                 19990325
                                             WO 1998-IB1381
                                                                     19980904
     WO 9913823
                          A3
                                 19990812
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             DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG,
             KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
             NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
             UA, UG, US, UZ, VN, YU, ZW
         RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
             FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
             CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
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     AU 9888190
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                                                                    19980904
     EP 1028697
                          A2
                                20000823
                                             EP 1998-939798
                                                                    19980904
         R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI
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     JP 2001516701
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                                20011002
                                                                    19980904
PRAI WO 1997-US16412
                          A
                                19970917
     WO 1997-US16615
                          Α
                                19970917
     WO 1997-US16617
                          Α
                                19970917
     WO 1997-US16618
                          Α
                                19970917
     WO 1997-US16619
                          Α
                                19970917
     WO 1998-IB1381
                          W
                                19980904
IT
     4193-55-9, Tinopal UNPA-GX
     RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
     (Uses)
        (hair prepns. containing optical brighteners and oily compds.)
     4193-55-9 CAPLUS
RN
CN
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-
     hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium
     salt (9CI) (CA INDEX NAME)
```

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 227 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:219953 CAPLUS

DN 130:242132

TI Hair care compositions comprising anionic optical brightener complex

IN Tian, Minmin; Mitsumatsu, Arata; Luo, Xiaochun

PA The Procter & Gamble Company, USA

salt (9CI) (CA INDEX NAME)

SO PCT Int. Appl., 60 pp.

CODEN: PIXXD2

DT Patent

	English	ı															
	PATENT										ICAT:					ATE	
PI	WO 991								1	WO 1	997-1	US16	614		1	9970	917
	W:	AL,	AM,	AT,	ΑU,	AZ,	BA,	BB,	BG,	BR,	BY,	CA,	CH,	CN,	CU,	CZ,	DE,
	•	DK,	EE,	ES,	FI,	GB,	GE,	GH,	HU,	ID,	IL,	IS,	JP,	ΚE,	KG,	KP,	KR,
		ΚZ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	MD,	MG,	MK,	MN,	MW,	MX,	NO,	NZ,
		PL,	PT,	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL,	ТJ,	TM,	TR,	TT,	UA,	UG,
		US,	UZ,	VN,	ΥU,	zw											
	RW	GH,	KE,	LS,	MW,	SD,	SZ,	UG,	ZW,	ΑT,	BE,	CH,	DE,	DK,	ES,	FI,	FR,
		GB,	GR,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE,	BF,	ВJ,	CF,	CG,	CI,	CM,	GA,
		GN,	ML,	MR,	NE,	SN,	TD,	TG									
	AU 974	1250	•		A 1		1999	0405		AU 1	997-	4425	0		19	9970	917
PRAI	WO 199	7-US1	6614		Α		1997	0917									
IT	4193-5	5-9,	Tino	pal	UNPA-	-GX											
	RL: BU	J (Bi	olog	ical	use	, un	clas	sifi	ed);	BIO	L (B	iolo	gica:	l st	udy)	; US	ES
	(Uses)		_										-		_		
	(ha:	ir pr	epns	. co	ntai	ning	ani	onic	opt	ical	bri	ghte	ner	comp	lex)		
RN	4193-5	_	-			-			•			_		-			
CN	Benzen	sulf	onic	aci	d. 2	,2'-	(1,2	-eth	ened	ivl)	bis	5-11-	4-[b	is (2	_		
	hydrox															dis	odium

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

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RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 228 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

AN 1999:219951 CAPLUS

DN 130:242130

Shampoo compositions comprising optical brighteners and polyvalent cations ΤI

IN Uchiyama, Hirotaka

The Procter & Gamble Company, USA PΑ

salt (9CI) (CA INDEX NAME)

SO PCT Int. Appl., 62 pp.

CODEN: PIXXD2

DTPatent

LA FAN.	Englis CNT 1	h															
	PATENT	NO.			KIN	D	DATE			APPL	ICAT	ION	NO.		D	ATE	
PI	WO 991	3829			A1	_	1999	0325		WO 1	 997-	 US16	471		1	9970	917
	W:	AL,	AM,	AT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	CA,	CH,	CN,	CU,	CZ,	DE,
		DK,	EE,	ES,	FI,	GB,	GE,	GH,	HU,	ID,	IL,	IS,	JP,	ΚE,	KG,	ΚP,	KR,
		KZ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	MD,	MG,	MK,	MN,	MW,	ΜX,	NO,	NZ,
	•	PL,	PT,	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL,	ТJ,	TM,	TR,	TT,	UA,	UG,
		US,	UΖ,	VN,	YU,	ZW,	AM,	ΑZ,	BY,	KG,	ΚZ,	MD,	RU,	ТJ,	TM		
	RW	: GH,	KE,	LS,	MW,	SD,	SZ,	UG,	ZW,	ΑT,	BE,	CH,	DE,	DK,	ES,	FI,	FR,
		GB,	GR,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE,	BF,	ВJ,	CF,	CG,	CI,	CM,	GA,
		GN,	ML,	MR,	ΝE,	SN,	TD,	TG									
	AU 974	4837			A1		1999	0405		AU 1	997-	4483	7		1:	9970	917
PRAI	WO 199	7-US1	6471		Α		1997	0917									
ΙT	4193-5	5-9,	Tino	pal '	UNPA-	-GX											
	RL: BU	U (Bi	olog	ical	use	, un	clas	sifi	ed);	BIO	L (B	iolo	gica:	l st	udy)	; USI	ES
	(Uses)																
	(sh	ampoo	s co	ntai	ning	opt	ical	bri	ghte	ners	and	pol	yval	ent (catio	ons a	and
	sur	facta	nts)			_			-			,					
RN	4193-5	5-9	CAPL	US	·												
CN	Benzen	esulf	onic	aci	d, 2	,2'-	(1,2	-eth	ened	iyl)l	bis[5-[[4-[b:	is(2	-		
					·	-				_ :					_		

hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

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THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD RE.CNT 6 ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ANSWER 229 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
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ΑN 1999:219950 CAPLUS

DN 130:242129

Shampoo compositions comprising optical brighteners and mild surfactant ΤI

IN Uchiyama, Hirotaka

The Procter & Gamble Company, USA PΑ

SO PCT Int. Appl., 61 pp.

4193-55-9 CAPLUS

CODEN: PIXXD2

DTPatent

English LA

RN

CN

FAN.	CNT	1													,				
	PATENT NO.					KIND DATE			2	APPL:	DATE								
ΡI	WO	WO 9913828			A1 1999032			0325	1	WO 1:	19970917								
		W:	AL,	AM,	AT,	AU,	ΑZ,	BA,	BB,	BG,	BŔ,	BY,	CA,	CH,	CN,	CU,	CZ,	DE,	
			DK,	EE,	ES,	FI,	GB,	GE,	GH,	HU,	ID,	IL,	IS,	JP,	KE,	KG,	ΚP,	KR,	
			ΚZ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	MD,	MG,	MK,	MN,	MW,	ΜX,	NO,	NZ,	
			PL,	PT,	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL,	ТJ,	TM,	TR,	TT,	UA,	υG,	
			US,	UZ,	VN,	YU,	zw												
		RW:	GH,	ΚE,	LS,	MW,	SD,	SZ,	ŪG,	ZW,	ΑT,	BE,	CH,	DE,	DK,	ES,	FI,	FR,	
			GB,	GR,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE,	BF,	ΒJ,	CF,	CG,	CI,	CM,	GΑ,	
			GN,	ML,	MR,	NE,	SN,	TD,	TG										
	AU 9744825					A1		1999	0405		AU 1:	997-	19970917						
	zA	9808	155			Α	A 19990317 . ZA 1998-8155									19980907			
PRAI	WO	1997	-US1	6413		Α		1997	0917										
IT	419	93-55	-9, '	Tino	pal 1	UNPA:	-GX												
		: BUU ses)	(Bi	olog	ical	use	, un	clas	sifi	ed);	BIO	L (B.	iolo	gica	l st	udy)	; USI	ES	

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-

(shampoos containing optical brighteners and mild surfactant matrix)

hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂— он

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 230 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1999:216462 CAPLUS
- DN 130:339558
- TI Determination of fluorescent whitening agents in paper and board packaging materials by capillary electrophoresis
- AU Damant, Andrew P.; Castle, Laurence
- CS CSL Food Science Laboratory, Ministry of Agriculture, Fisheries and Food, Norwich, NR4 7UQ, UK
- SO Journal of Microcolumn Separations (1999), 11(4), 259-262 CODEN: JMSEEJ; ISSN: 1040-7685
- PB John Wiley & Sons, Inc.
- DT Journal
- LA English
- IT 4404-43-7
 - RL: ANT (Analyte); MOA (Modifier or additive use); ANST (Analytical study); USES (Uses)
 - (determination of fluorescent whitening agents in paper and paperboard packaging materials by capillary electrophoresis)
- RN 4404-43-7 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

— cн₂- он

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ANSWER 231 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
    1999:194237 CAPLUS
AN
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DN 130:254092

ΤI Detergent compositions

Guedira, Nour-eddine; Ward, Dawn Constance IN

The Procter & Gamble Company, USA PA

PCT Int. Appl., 71 pp. so CODEN: PIXXD2

Patent DT

T.A English

	PA'	rent 1	NO.			KIND DATE				APPLICATION NO.									
PI	WO					A1					WO 1998-IB1385								
			•	•	•	•	•	DK,		ान	ਸ਼ਤ	GB	GR	T F.	Τ···	T.IT	мс	NT.	
		1744.	PT,	•	CII,	C1,	, בוע	DIC	100 ,	ш,	111,	GD,	GIV,	10,	11,	шо,	nc,	Nu,	
	•					A1 1999			0317	GB 1997-19231						19970911			
	CA 2303798					AA 19990318					CA 1998-2303798					19980907			
	ΕP	EP 1030899				A1 20000830					EP 1998-939801					19980907			
	ΕP	1030	899			В1		2002	0612										
		R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	PT,	ΙE,	F
		9812						2000											
		2191																	
	ZA	9808	352			Α		1999	0311		ZA 1	998-	8352			1	9980	911	
	US	6689	732			B1		2004	0210		US 2	001-	5084	41		2	0010	207	
PRAI		1997																	
	WO	1998	-IB1	385		W		1998	0907										
os	MAI	RPAT	130:	2540	92														
IT		090-0																	
	RL	: NUU																	
		(per	OXV.	acid	- and	d ph	asol	nate-	conta	aini	na d	eter	gent	COM	ons.	sui	tabl	e fo	r

laundry washing)

16090-02-1 CAPLUS RN

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 232 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:156428 CAPLUS

DN 130:210974

TI Method of whitening lignin-containing pulp during manufacture

IN Nelson, Randall Bruce; Jokinen, Olli Juhani; Rohringer, Peter

PA Ciba Specialty Chemicals Holding Inc., Switz.

SO Eur. Pat. Appl., 25 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PA	CENT	NO.			KIN	D DATE		API	PLICAT	DATE					
PI	EP	 8993	 73			A1	 1999	0303	EP	 1998-	 810809			1	819	
		R:	AT,	BE,	CH,	DE,	DK, ES,	FR,	GB, GI	R, IT,	LI,	LU,	NL,	SE,	MC,	PT,
			IE,	SI,	LT,	LV,	FI, RO									
	CA	A 2245966					1999	0228	CA	1998-	22459	966		1	9980	826
	zA	9807	782			Α	1999	0301	ZA	1998-	7782			1	9980	827
	ΑU	9881	952			A1	1999	0311	AU	1998-	81952	2		1	9980	827
	ΑU	7395	24			B2	2001	1018								
	CN	1211	655			Α	1999	0324	CN	1998-	11849	93		1	9980	827
	BR	9803	764			Α	2002	0514	BR	1998-	3764			1	9980	827
	JΡ	1112	4783			A2	1999	0511	JP	1998-	24289	91		1	9980	828
PRAI	US	1997	-919	549		Α	1997	0828								
~~	\/ \ / \ \		120.	0100	7.4											

OS MARPAT 130:210974

IT 4193-55-9, Tinopal HW

RL: TEM (Technical or engineered material use); USES (Uses)
(Tinopal HW; whitening lignin-containing pulp using fluorescent whitening agents)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl}amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

— cн₂- он

IT 13863-31-5

RL: TEM (Technical or engineered material use); USES (Uses) (whitening lignin-containing pulp using fluorescent whitening agents)

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

— cн₂— он

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 233 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:96737 CAPLUS

DN 130:287425

TI Electro-fluorescence polarization studies of the interaction of fluorescent dyes with clay minerals in suspensions

AU Windsor, S. A.; Tinker, M. H.

CS J.J. Thomson Physical Laboratory, Optics Group, University of Reading, P.O. Box 220, Whiteknights, Reading, RG6 6AF, UK

SO Colloids and Surfaces, A: Physicochemical and Engineering Aspects (1999), 148(1-2), 61-73

CODEN: CPEAEH; ISSN: 0927-7757

PB Elsevier Science B.V.

DT Journal

LA English

IT 4193-55-9 16090-02-1

RL: PEP (Physical, engineering or chemical process); PRP (Properties); PROC (Process)

(electro-fluorescence polarization studies of interaction of fluorescent dyes with clay minerals in suspensions)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A HO-CH₂-CH₂ HO-CH₂-CH₂

— cн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 234 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1999:96214 CAPLUS
- DN 130:169756
- ${\tt TI}$ Inhibition of pulp and paper yellowing using nitroxides and other co-additives
- IN Seltzer, Raymond; Wolf, Jean-Pierre; Heitner, Cyril; Schmidt, John Alois; Mcgarry, Peter Francis; Cunkle, Glen Thomas; Nelson, Randall Bruce
- PA Ciba Specialty Chemicals Holding Inc., Switz.
- SO PCT Int. Appl., 195 pp.
- CODEN: PIXXD2
- DT Patent
- LA English
- FAN.CNT 1

	PAT	ENT 1	NO.			KIN	D	DATE		i	APPL	ICAT:	ION 1	NO.		D	ATE	
ΡI	WO	9905	108			A1	_	1999	0204	1	WO 1	998-1	EP43	- -		1:	9980	714
		W:	AL,	AM,	AT,	AU,	ΑZ,	ΒA,	BB,	BG,	BR,	BY,	CA,	CH,	CN,	CU,	CZ,	DE,
			DK,	EE,	ES,	FI,	GB,	GE,	GH,	GM,	HR,	HU,	ID,	IL,	IS,	JP,	ΚE,	KG,
•			KP,	KR,	KZ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	MD,	MG,	MK,	MN,	MW,	ΜX,
			NO,	NZ,	PL,	PT,	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL,	ТJ,	TM,	TR,	TT,
	•		UA,	ŪG,	UZ,	VN,	YU,	ZW										
		RW:	GH,	GM,	ΚE,	LS,	MW,	SD,	SZ,	ŪĠ,	ZW,	ΑT,	ΒE,	CH,	CY,	DE,	DK,	ES,
			FI,	FR,	GB,	GR,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE,	BF,	ВJ,	CF,	CG,	CI,
			CM,	GA,	GN,	GW,	ML,	MR,	NE,	SN,	TD,	ТG						
	CA	2295	631			AA		1999	0204	(CA 1	998-2	2295	631		1.9	9980	714
	ΑU	9890	660			A1		1999	0216	7	AU 1	998-	9066	0		1	9980	714
	ΑU	7235	02			B2		2000	0831									
	EP	1000	032			A 1		2000	0517]	EP 1	998-	9425	56		1	9980	714
		R:	ΒE,	CH,	DE,	ES,	FR,	GB,	IT,	LI,	SE,	FI						
	BR	9811	525			Α		2000	0905	1	BR 1	998-	1152	5		19	9980	714
	JP	2001	5108	81		T2		2001	0807	,	JP 2	000-	5041	07		19	9980	714
	RU	2223	985			C2		2004	0220	1	RU 2	000-	1045	06		19	9980	714

	ZA	9806521	Α	19990125	ZA	1998-6521	19980722
	TW	460641	В	20011021	TW	1998-87114815	19980907
	US	6447644	B2	20020910	US	2001-974382	20011010
	US	2002124980	A1	20020912			
PRAI	US	1997-53489P	P	19970723			
	US	1997-54968P	P	19970807			
	WO	1998-EP4381	W	19980714			
	US	1998-119567	A3	19980720			
	US	2000-573401	A3	20000518			
os	MAI	RPAT 130:169756					

4193-55-9, 4,4'-Bis[4-anilino-6-bis(2-hydroxyethyl)amino-s-triazin-IT2-yl]amino-2,2'-stilbenedisulfonic acid, disodium salt RL: MOA (Modifier or additive use); USES (Uses)

(inhibition of pulp and paper yellowing using nitroxides and other co-additives)

RN 4193-55-9 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

2 Na

PAGE 1-B

— cн₂— он

RE.CNT THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 235 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1999:81697 CAPLUS AN

DN 130:154951

TIMixtures of optical brighteners

Martini, Thomas; Neunzerling, Helmut IN

PΑ Clariant G.m.b.H., Germany

SO Ger. Offen., 22 pp.

CODEN: GWXXBX

DΤ Patent

LΑ German

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE 10/519,031

PΙ DE 19732109 19990128 DE 1997-19732109 19970725 A1 WO 9905356 Α1 19990204 WO 1998-EP4401 19980715 W: BR, CN, ID, JP, MX, TR RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE EP 998605 20000510 EP 1998-943730 19980715 **A1** FR, GB, IT, LI R: CH, DE, ES, US 6120704 20000919 US 1998-121803 19980723 Α PRAI DE 1997-19732109 Α 19970725 WO 1998-EP4401 W 19980715

os MARPAT 130:154951

220150-94-7 IT

RL: NUU (Other use, unclassified); USES (Uses)

(mixts. of anionic and nonionic optical brighteners for fabrics containing polyamide and(or) polyurethane fibers)

RN 220150-94-7 CAPLUS

Benzoic acid, 4-[2-[4-(5-methyl-2-benzoxazolyl)phenyl]ethenyl]-, methyl CN ester, mixt. with 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzenesulfonic acid] disodium salt (9CI) (CA INDEX NAME)

1 CM

CRN 18039-18-4 CMF C24 H19 N O3

2 CM

CRN 17958-73-5

C36 H36 N12 O8 S2 . 2 Na CMF

NH-СH2-СH2-ОН

(9CI) (CA INDEX NAME)

```
ANSWER 236 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
     1999:77654 CAPLUS
AN
     130:140807
DN
     Liquid detergent compositions stably containing stabilizer and their
ΤI
     preparation for preventing sun-fading of fabrics
     Finch, Timothy David; Van Der Hoeven, Philippus Cornelis; Reed, David
IN
     Alan; De Roo, Helena Maria Josephina; Warr, Jonathan Frank Unilever PLC, UK; Unilever N.V.
PA
     PCT Int. Appl., 40 pp.
     CODEN: PIXXD2
DT
     Patent
LA
     English
FAN.CNT 1
     PATENT NO.
                         KIND
                                DATE
                                             APPLICATION NO.
                                                                    DATE
     _____
                         ____
                                _____
                                             -----
     WO 9903963
                                19990128
                                             WO 1998-EP4221
                                                                    19980702
PΙ
                          A1
         W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
             DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG,
             KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
             NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
             UA, UG, UZ, VN, YU, ZW
         RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
             FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
             CM, GA, GN, ML, MR, NE, SN, TD, TG
     US 6090372
                                20000718
                                             US 1998-108665
                                                                    19980701
                          Α
     CA 2295482
                                19990128
                                             CA 1998-2295482
                                                                    19980702
                          AA
     AU 9890638
                          A1
                                19990210
                                             AU 1998-90638
                                                                    19980702
     AU 726591
                          B2
                                20001109
     EP 994937
                          A1
                                20000426
                                             EP 1998-942523
                                                                    19980702
     EP 994937
                          В1
                                20020403
         R: DE, ES, FR, GB, IT
                                             BR 1998-10888
     BR 9810888
                          Α
                                20000926
                                                                    19980702
     TR 200000442
                                20001121
                                             TR 2000-200000442
                                                                    19980702
                          Т2
     ES 2175762
                                             ES 1998-942523
                          Т3
                                20021116
                                                                    19980702
     IN 190666
                                             IN 1998-BO434
                                                                    19980706
                          Α
                                20030816
     ZA 9806037
                          Α
                                20000110
                                             ZA 1998-6037
                                                                    19980708
PRAI EP 1997-305260
                          Α
                                19970715
     GB 1997-14897
                                19970715
                          Α
     WO 1998-EP4221
                                19980702
     MARPAT 130:140807
os
     182188-07-4 182188-15-4 220005-55-0
IT
     RL: MOA (Modifier or additive use); USES (Uses)
        (UV stabilizer; liquid detergent compns. stably containing UV stabilizer for
        preventing sun-fading of fabrics)
RN
     182188-07-4 CAPLUS
     Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino(6-amino-
CN
     1,3,5-triazine-4,2-diyl)imino]]bis-, 1,1'-diethyl ester, disodium salt
```

●2 Na

PAGE 1-B

RN 182188-15-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-[[4-(aminocarbonyl)phenyl]amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

•2 Na

PAGE 1-B

RN 220005-55-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-[[4-[(dimethylamino)carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 237 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1999:67387 CAPLUS
- DN 130:210931
- TI Structure of nascent microbial cellulose. VI. Influence of positions of sulfonate groups in fluorescent brightener on crystal structure of microbial cellulose
- AU Kai, Akira; Keshk, Sherif M. A. S.
- CS Department of Applied Chemistry, Tokyo Metropolitan University, Tokyo, 192-0397, Japan
- SO Polymer Journal (Tokyo) (1999), 31(1), 61-65 CODEN: POLJB8; ISSN: 0032-3896
- PB Society of Polymer Science, Japan
- DT Journal
- LA English
- IT 4193-55-9

RL: PRP (Properties)

(fluorescent brightener sulfonate group position effect on crystal structure of microbial cellulose)

- RN 4193-55-9 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

2 Na

PAGE 1-B

— cн₂- он

THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD RE.CNT 17 ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 238 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1999:58857 CAPLUS AN

130:106477 DN

Coated pesticidal matrixes, a process for their preparation and ΤI compositions containing them

Sun, Guanglin; Ahmed, Fakhruddin; Black, Bruce Christian IN

American Cyanamid Company, USA PA

Eur. Pat. Appl., 28 pp. SO

CODEN: EPXXDW

DT Patent

LΑ English

FAN.	CNT	1																	
	PA'	rent	NO.			KIN		DATE			API	LIC	CAT	ION	NO.		D	ATE	
PI		8903 8903				A1 B1			0113		EP	199	8-:	3053	50		1	9980	706
			AT,	BE,	CH,		DK,	ES,		GB,	GF	R, I	Τ,	LI,	LU,	NL,	SE,	MC,	PT,
	US	2003	-	-					1016		US	199	8-	9427	9		1	9980	609
	US	6776	996			В2		2004	0817										
	TW	4677	24			В		2001	1211		TW	199	8-8	8711	0694	•	1	9980	702
	SG	7405	8			A1		2000	0718		SG	199	8-3	1582			1	9980	703
	ΑT	2513	80			E		2003	1015		ΑT	199	8-3	3053	50		1	9980	706
	ES	2209	066			Т3		2004	0616		ES	199	8-3	3053	50		1	9980	706
	CA	2242	460			AA		1999	0109		CA	199	8-2	2242	460		1	9980	707
	AU	9875	073			A 1		1999	0121		ΑU	199	8-	7507	3		1	9980	708
	AU	7401	51			B2		2001	1101							•			
	EE	3795				В1		2002	0815		EE	199	8-2	226			1	9980	708
	CN	1218	617			Α		1999	0609		CN	199	8-3	1160	27		1	9980	709
	ZA	9806	880			Α		2000	0110		ZA	199	8-8	6088			1	9980	709
	BR	9803	351			Α		2000	0321		BR	199	8-3	3351			1	9980	709
PRAI	US	1997	-890	437		Α		1997	0709										0
	US	1998	-942	79		Α		1998	0609										

US 1997-52071P P 19970709

IT 16090-02-1, Blancophor BBH

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (Blancophor BBH; activity enhancer in coated pesticidal matrix)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

IT 4193-55-9

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (Calcofluor White M 2R, Phorwite AR; activity enhancer in coated pesticidal matrix)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

•2 Na

PAGE 1-B

 $-cH_2-OH$

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 239 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN AN 1999:26592 CAPLUS

10/519,031

- DN 130:158038
- TI Fate of Fluorescent Whitening Agents in the River Glatt
- AU Poiger, Thomas; Kari, Franz Guenter; Giger, Walter
- CS Swiss Federal Institute for Environmental Science and Technology (EAWAG), Dubendorf, CH-8600, Switz.
- SO Environmental Science and Technology (1999), 33(4), 533-539 CODEN: ESTHAG; ISSN: 0013-936X
- PB American Chemical Society
- DT Journal
- LA English
- IT 82584-34-7

RL: POL (Pollutant); OCCU (Occurrence)

(fate of fluorescent whitening agents in Glatt river, Switzerland)

- RN 82584-34-7 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, ion(2-) (9CI) (CA INDEX NAME)

RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 240 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1998:794893 CAPLUS
- DN 130:96859
- TI Triazinylaminostilbene compounds useful as fluorescent whiteners with good storability, wide-ranging viscosity choice, and usability at high concentration above 30%
- IN Rohringer, Peter; Geoffroy, Andre; Burkhard, Andreas; Marti, Erwin; Schreiber, Werner; Zelger, Josef
- PA Ciba Specialty Chemicals Holding Inc., Switz.
- SO Jpn. Kokai Tokkyo Koho, 20 pp. CODEN: JKXXAF
- DT Patent
- LA Japanese
- FAN.CNT 1

	PAT	ENT	NO.			KINI	0	DATE			APE	PLI:	CAT	ION	NO.		D	ATE	
ΡI	JP	1033	0642			A2	_	1998	1215			19	 98-	 1403	24		1	9980	 522
		4604				В			1021						6486			9980	
	$_{ m IL}$	1244	80			A1		2004	0328		ΙL	19	98-	1244	80		1	9980	513
	EP	8843	12			A1		1998	1216		ΕP	19	98-	8104	43		1	9980	514
	EP	8843	12			В1		2002	0828				٠						
		R:	·AT,	BE,	CH,	DE,	DK,	, ES,	FR,	GB,	GF	₹, ∶	ΙΤ,	LI,	LU,	NL,	SE,	MC,	PT,
			ΙE,	SI,	LT,	LV,	FI,	, RO											
	ΑT	2228	93			\mathbf{E}		2002	0915		ΑT	19	98-	8104	43		1	9980	514
	ES	2181	153			Т3		2003	0216		ES	19	98-	8104	43		13	9980	514
	US	6153	122			Α		2000	1128		US	19	98-	8142	7		1	9980	519
	RU	2205	828			C2		2003	0610		RU	19	98-	1096	89		15	9980	520
	\mathtt{PL}	1901	10			В1		2005	1031		PL	19	98-	3264	05		1	9980	520
	CA	2238	163			AA		1998	1123		CA	19	98-	2238	163		1	9980	521
	BR	9803	696			Α		2000	0321		BR	19	98-	3696			1:	9980	521
	CZ	292657			В6		2003	1112		CZ	19	98-	1582			1	9980	521	
	ZA	9804	352			Α		1998	1123		ZΑ	19	98-	4352			1	9980	522

	AU 9868040	A1	19981126	AU 1998-68040	19980522
	AU 738935	B2	20010927		
	CN 1203914	Α	19990106	CN 1998-108959	19980522
	BR 9801679	Α	19990518	BR 1998-1679	19980522
	нк 1017348	A1	20030110	нк 1999-102375	19990526
	US 6331626	B1	20011218	US 2000-666768	20000921
PRAI	GB 1997-10569	Α	19970523		
	US 1998-81427	A3	19980519		
os	MARPAT 130:96859				

IT 4193-55-9P

> RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(triazinylaminostilbene compds. useful as fluorescent whiteners with good storability, wide-ranging viscosity choice, and usability at high concentration above 30%)

RN4193-55-9 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A $HO-CH_2-CH_2$ $HO-CH_2-CH_2$ - CH2- $HO-CH_2-CH_2-N$

●2 Na

PAGE 1-B

— сн₂— он

ANSWER 241 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

AN1998:742210 CAPLUS

DN 129:344746

Detergent composition and preparing coated blown particles for laundering ΤI clothes

IN Ridyard, Mark William

PA Procter and Gamble Company, USA

SO Eur. Pat. Appl., 19 pp. CODEN: EPXXDW

DTPatent

LΑ English

FAN.CNT 1

DATE APPLICATION NO. PATENT NO. KIND DATE ____ PΙ EP 877079 A1 19981111 EP 1997-303180 19970509

		R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	•		•	•	•	•	NL,	SE,	PT,	ΙE,	FI
	WO	9851	765			A 1		1998	1119		WO	1998	-IB6	564			1	9980	501	
		W:	BR,	CA,	CN,	JP,	MX,	NO,	TR,	US										
	BR	9809	608			Α		2000	0704		BR	1998	-960	80			1	9980	501	
	JP	2001	52500	06		Т2		2001	1204		JP	1998	-548	3964			1	9980	501	
	CA	2289	712			С		2003	0107		CA	1998	-228	3971	2		1	9980	501	
	CA	2289	712			AA		1998	1119											
_	ΜX	9910	346			Α		2000	0430		MΧ	1999	-103	346			1	9991	109	
	US	6159	920			Α		2000	1212		US	1999	-423	3504			1	9991	109	
PRAI	ΕP	1997	-303	180		Α		1997	0509											
	WO	1998	-IB66	64		W		1998	0501											
TΨ	160	າຊດ_ດາ	2-1											•						

IT

RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)

(spray coating of surfactants and; detergent composition and spray coating particles with anhydrous mixture of brighteners and nonionic surfactants)

RN 16090-02-1 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RE.CNT THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4ANSWER 242 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1998:735611 CAPLUS

130:82838 DN

ΤI Analysis of fluorescent whitening agents in the Japanese pharmacopoeia absorbent gauze using reversed phase TLC, spectrofluorophotometer and HPLC with fluorescence detector

ΑU Ohno, Tsutomu; Gotoh, Tomomi; Mikami, Eiichi; Hayakawa, Junko; Kagami, Tadaaki; Miyazaki, Yutaka

CS Aichi Prefect. Inst. Public Health, Nagoya, 462-8576, Japan

SO Japanese Journal of Toxicology and Environmental Health (1998), 44(5), 364-370

CODEN: JJTHEC; ISSN: 0013-273X

PB Pharmaceutical Society of Japan

DTJournal

LΑ Japanese

IT 17958-73-5, C.I. Fluorescent Brightener 85

RL: ANT (Analyte); ANST (Analytical study)

(Whitex BK concentrate; anal. of fluorescent brighteners in Japanese pharmacopoeia absorbent gauze using reversed phase TLC, spectrofluorophotometer, and HPLC with fluorescence detector)

RN 17958-73-5 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

_ин-сн₂-сн₂-он

IT 16090-02-1, C.I. Fluorescent Brightener 260

RL: ANT (Analyte); ANST (Analytical study)

(Whitex SA extra concentrate(H); anal. of fluorescent brighteners in Japanese

pharmacopoeia absorbent gauze using reversed phase TLC, spectrofluorophotometer, and HPLC with fluorescence detector)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 243 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1998:723856 CAPLUS

DN 129:344742

TI A detergent composition having excellent color care properties used to launder colored fabrics

IN Dixon, Sarah; Finch, Timothy David; Warr, Jonathan Frank

PA Unilever Plc, UK; Unilever N.V.

SO PCT Int. Appl., 41 pp.

CODEN: PIXXD2

\mathtt{DT}	Patent
LA	English
FAN.	CNT 1

	PAT	PENT :	NO.			KIN	D	DATE					TION			D.	ATE	
ΡI	WO	9849	259			A1	_	1998	1105							1	9980	415
		W:	AL,	AM,	AT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR	, BY	, CA,	CH,	CN,	CU,	CZ,	DE,
			DK,	EE,	ES,	FI,	GB,	GE,	GH,	GM,	GW	, HU	, ID,	IL,	IS,	JP,	KE,	KG,
			KP,	KR,	KZ,	LC,	LK,	LR,	LS,	LT,	LU	, LV	, MD,	MG,	MK,	MN,	MW,	MX,
			NO,	NZ,	PL,	PT,	RO,	RU,	SD,	SE,	SG	, SI	, SK,	SL,	ТJ,	TM,	TR,	TT,
			UA,	UG,	UZ,	VN,	YU,	ZW								_		
		RW:	GH,	GM,	KE,	LS,	MW,	SD,	SZ,	UG,	ZW	, AT	, BE,	CH,	CY,	DE,	DK,	ES,
			FI,	FR,	GB,	GR,	ΙE,	IT,	LU,	MC,	NL	, PT	, SE,	BF,	ВJ,	CF,	CG,	CI,
			CM,	GΑ,	GN,	ΜL,	MR,	ΝE,	SN,	TD,	ΤG	i						
	CM, GA, GN CA 2287168					C		1998	1105		CA	1998	-2287	168		1	9980	415
	CA	A 2287168				AA		1998	1105									
	ΑU	A 2287168 U 9880138				A1		1998	1124		AU	1998	-8013	8		19	9980	415
	EP	9804	18			A1		2000	0223		EΡ	1998	-9282	03		1	9980	415
	ΕP	9804	18			В1		2004	0630									
		R:	DE,	ES,	FR,	GB,	IT											
	TR	9902	642			Т2		2000	0421	1	TR	1999	-2642			1	9980	415
	BR	9808	701			Α		2000	0711		BR	1998	-8701			19	9980	415
	ES	2221	175			Т3		2004	1216		ES	1998	-9282	03		19	9980	415
	IN	1896	13			Α		2003	0329		IN	1998	-BO24	4		19	9980	423
	zA	9803	527			Α		1999	1028		ZA	1998	-3527			19	9980	428
•	US	6121	223			Α		2000	0919		US	1998	-7067	6		19	9980	430
PRAI	EΡ	1997	-302	965		Α		1997	0430									
	WO	1998	-EP2	271		W		1998	0415									
os	MAF	RPAT	129:	3447	42													

IT 182188-15-4

RL: MOA (Modifier or additive use); USES (Uses)

(a detergent composition containing dye transfer inhibiting polymer and sunscreens having excellent color care properties used to launder colored fabrics)

RN 182188-15-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-[[4-(aminocarbonyl)phenyl]amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$H_2N-C$$
 NH_2
 NH_2
 NH_2
 NH_3
 NH_4
 NH_4

PAGE 1-B

IT 182188-07-4

RL: MOA (Modifier or additive use); USES (Uses)

(sunscreen; a detergent composition containing dye transfer inhibiting polymer

and sunscreens having excellent color care properties used to launder colored fabrics)

RN 182188-07-4 CAPLUS

CN Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino(6-amino-1,3,5-triazine-4,2-diyl)imino]]bis-, 1,1'-diethyl ester, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 244 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1998:672531 CAPLUS

DN 129:291144

TI Fluorescent whitening agents

IN Rohringer, Peter; Metzger, Georges; Reinehr, Dieter

PA Ciba Specialty Chemicals Holding Inc., Switz.

SO PCT Int. Appl., 43 pp. CODEN: PIXXD2

DT Patent

LA English

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FAN.CNT 1
                                                                   DATE
    PATENT NO.
                        KIND
                                DATE
                                            APPLICATION NO.
     -----
                                -----
                                            ______
                                                                   19980314
                         A1
                                19981001
                                            WO 1998-EP1495
    WO 9842685
PΙ
        W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
             DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG,
            KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
            NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
            UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI,
            FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM,
             GA, GN, ML, MR, NE, SN, TD, TG
                                            CA 1998-2284723
                                                                   19980314
                                19981001
    CA 2284723
                         AA
                                            AU 1998-68314
                                                                   19980314
    AU 9868314
                         A1
                                19981020
                                            EP 1998-913720
                                20000119
                                                                   19980314
    EP 971905
                         A1
                                20040811
    EP 971905
                         В1
        R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, FI
    BR 9808058
                                20000308
                                            BR 1998-8058
                                                                   19980314
                         Α
    EP 1123929
                         A1
                                20010816
                                            EP 2001-111295
                                                                   19980314
                                20030702
    EP 1123929
                         В1
        R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, FI
                        , T2
    JP 2001518919
                                20011016
                                            JP 1998-544825
                                                                   19980314
                         C2
                                20030210
                                            RU 1999-122588
                                                                   19980314
    RU 2198168
    AT 244227
                         Е
                                20030715
                                            AT 2001-111295
                                                                   19980314
    AT 273290
                         Ε
                                            AT 1998-913720
                                                                   19980314
                                20040815
    ES 2226117
                         Т3
                                20050316
                                            ES 1998-913720
                                                                   19980314
    ZA 9802474
                         Α
                                19991207
                                            ZA 1998-2474
                                                                   19980324
                                            US 1999-381468
    US 6210449
                         В1
                                20010403
                                                                   19990920
                                19991115
                                            NO 1999-4662
                                                                   19990924
    NO 9904662
                         Α
    NO 314083
                         В1
                                20030127
                                            US 2001-766984
    US 2001014989
                         A1
                                20010823
                                                                   20010122
    US 6464735
                         B2
                                20021015
    US 2002017001
                         A1
                                20020214
                                            US 2001-767112
                                                                   20010122
    US 6458169
                         B2
                                20021001
PRAI GB 1997-6110
                         Α
                                19970325
    GB 1997-9980
                         Α
                                19970517
    EP 1998-913720
                         A3
                                19980314
    WO 1998-EP1495
                         W
                                19980314
    US 1999-381468
                         Α3
                                19990920
    MARPAT 129:291144
os
ΙT
    200395-01-3P 200395-04-6P 200395-05-7P
     200395-06-8P 200395-07-9P 213910-61-3P
    214344-71-5P
    RL: IMF (Industrial manufacture); TEM (Technical or engineered material
     use); PREP (Preparation); USES (Uses)
        (manufacture of fluorescent whitening agents and use in paper coating)
RN
     200395-01-3 CAPLUS
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(4-
CN
     acetylphenyl)amino]-6-[(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]-,
     tetrasodium salt (9CI) (CA INDEX NAME)
```

HO3S-CH2-CH2-NH SO3H SO3H NH
AC NH NH NH NH NH

●4 Na

PAGE 1-B

— сн₂— сн₂— sозн

RN 200395-04-6 CAPLUS

CN Glycine, N,N'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[(4-acetylphenyl)amino]-1,3,5-triazine-4,2-diyl]]]bis[N-methyl-, tetrasodium salt (9CI) (CA INDEX NAME)

●4 Na

PAGE 1-B

— сн₂— со₂н

RN 200395-05-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(4-acetylphenyl)amino]-6-[(2-hydroxyethyl)methylamino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

RN 200395-06-8 CAPLUS

CN L-Glutamic acid, N,N'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[(4-acetylphenyl)amino]-1,3,5-triazine-4,2-diyl]]]bis-, hexasodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry unknown.

PAGE 1-A

●6 Na

RN 200395-07-9 CAPLUS

CN Glycine, N,N'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[(4-acetylphenyl)amino]-1,3,5-triazine-4,2-diyl]]]bis[N-(carboxymethyl)-, hexasodium salt (9CI) (CA INDEX NAME)

●6 Na

PAGE 1-B

RN 213910-61-3 CAPLUS

CN Glutamic acid, N,N'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-(phenylamino)-1,3,5-triazine-4,2-diyl]]]bis-, hexasodium)salt (9CI) (CA INDEX NAME)

$$HO_2C-CH_2-CH_2-CH-NH$$
 SO_3H SO_3H $NH-NH$ $NH-NH$

●6 Na

PAGE 1-B

NHPh

RN 214344-71-5 CAPLUS

CN D-Aspartic acid, N,N'-[(1E)-1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-(phenylamino)-1,3,5-triazine-4,2-diyl]]]bis-, hexasodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry unknown.

PAGE 1-A

CO₂H

THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD RE.CNT 10 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4ANSWER 245 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1998:602967 CAPLUS

129:232318 DN.

Detergent compositions with optimized surfactant systems to provide dye ΤI transfer inhibition benefits

Wertz, William C.; Panandiker, Rajan K. IN

PA The Procter & Gamble Co., USA

U.S., 10 pp., Cont. of U.S. Ser. No. 320,350, abandoned. SO CODEN: USXXAM

DTPatent

LΑ English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
			-		
PI	US 5804543	Α	19980908	US 1996-684515	19960719
PRAI	US 1994-320350	B1	19941011		
O.C.	MADDAT 120.222210			•	

OS MARPAT 129:232318

4193-55-9 13863-31-5 16090-02-1 IT

> RL: TEM (Technical or engineered material use); USES (Uses) (optical brightener; polymeric dye transfer inhibitors in detergent compns. for laundering fabrics with reduced dye transfer)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

— cн₂- он

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

— cн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 246 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1998:583574 CAPLUS

DN 129:332021

TI Effects of fluorescent whitening agents in detergent on the shade of cotton fabrics (II). Color changes of dyed cotton fabrics

AU Yoon, Hae Shin; Chung, Hae Won

CS Dep. Clothing & Textiles College of Home Economics, Inha Univ., Inchon, S. Korea

SO Han'guk Somyu Konghakhoechi (1998), 35(7), 427-432 CODEN: HSKCDQ; ISSN: 1225-1089

PB Korean Fiber Society

DT Journal

LA Korean

IT 16090-02-1, Disodium 4,4'-bis(4-anilino-6-morpholino-s-triazin-2ylamino)stilbene-2,2'-disul fonate
RL: NUU (Other use, unclassified); USES (Uses)

(fluorescent whitening agents; color changes of dyed cotton fabrics in presence of)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 247 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1998:558915 CAPLUS

DN 129:204141

TI Manufacture of N,N'-disubstituted 4,4'-diaminostilbene-2,2'-disulfonic acids and brightening of polyamides, cellulose, and paper therewith

IN Feldhues, Ulrich; Brockmann, Rolf; Eckstein, Udo; Stamis, Detlef

PA Bayer A.-G., Germany

SO Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DΤ Patent LΑ Japanese

FAN.CNT 1

	PAT	ENT.	NO.			KIN	D	DATE		1	APP	LI	CAT	ION I	.00		D	ATE	
							_			•							-		
PΙ	JΡ	1022	6680			A2		1998	0825	•	JP	19	98-	4636	3		1	9980	213
	DE	1970	6238			A1		1998	0827	1	DE	19	97-	1970	6238		1:	9970	218
	DE	1970	6238			B4		2005	0901										
	ΕP	8604	37	•		A 1		1998	0826]	EΡ	19	98-	1019	51		1	9980	205
	ΕP	8604	37]			2002	1030										
		R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR	₹,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
			ΙE,	SI,	LT,	LV,	FI,	, RO											
	ES	2185	069			Т3		2003	0416]	ES	19	98-3	1019	51		1	9980	205
	US	6025	490	-				2000	0215	Ţ	US	19	98-2	2233	7	•	1	9980	211
PRAI	DE	6025490 1997-19706238			8	Α		1997	0218										
os	MAR	PAT	129:2	2041	41														

IT 4404-43-7P 16090-02-1P 31900-04-6P

> RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(manufacture of N,N'-disubstituted diaminostilbenedisulfonic acids for brightening of polyamides, cellulose, and paper)

RN 4404-43-7 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

-- сн $_2-$ он

16090-02-1 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 248 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1998:497395 CAPLUS

DN 129:231904

TI Effects of fluorescent whitening agents in detergent on the shade of cotton fabrics(I) - FWA adsorption and reflectance of white cotton fabrics

AU Yoon, Hae Shin; Chung, Hae Won

CS Department of Clothing & Textiles, Inha University, Inchon, S. Korea

SO Han'guk Somyu Konghakhoechi (1998), 35(6), 370-375 CODEN: HSKCDQ; ISSN: 1225-1089

PB Korean Fiber Society

DT Journal

LA Korean

IT 16090-02-1, Disodium 4,4'-bis(4-anilino-6-morpholino-s-triazin-2-ylamino)stilbene-2,2'-disulfonate

RL: NUU (Other use, unclassified); USES (Uses)

(effects of fluorescent whitening agents in detergent on the shade of cotton fabrics)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 249 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1998:485328 CAPLUS

DN 129:154718

TI Ink jet printing method using two components

IN Takemoto, Kiyohiko

PA Seiko Epson Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN. CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 10193775	A2 .	19980728	JP 1997-5020	19970114
PRAT JP 1997-5020		19970114		

IT 24019-80-5, Whitex SKC

RL: MOA (Modifier or additive use); USES (Uses)

(brightening agent; jet printing method using ink composition and reactive agent composition containing fluorescent brightening agent)

RN 24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)



L4 ANSWER 250 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1998:466333 CAPLUS

DN 129:123760

TI Preparation of triazinylaminostilbenes as ultra-violet absorbing agents for textile fibers

IN Eckhardt, Claude; Metzger, Georges; Reinehr, Dieter; Sauter, Hanspeter;
Dubini, Mario

PA Ciba Specialty Chemicals Holding Inc., Switz.

SO Eur. Pat. Appl., 19 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PA	CENT	NO.			KIN	D DATE	;	Α	PPI	CICAT	ION 1	NO.		D	ATE	
PI		8509 8509				A1 B1		0701 0310	E	P 1	L997-	8109	86		1	9971	216 ·
	11	R:		BE,	CH,	DE,	DK, ES, FI, RO		GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
	GB	2320	•	,	,	A1	•	0701	. G	в 1	997-	2550	1		1	9971	203
	ES	2214	601			т3	2004	0916	E	s 1	997-	8109	86		1	9971	216
	ZA	9711	567			Α	1998	0624	2.	A 1	997-	1156	7		1	9971	223
	ΑU	9749	256			A1	1998	0625	Α	U 1	997-	4925	6 .		1	9971	223
	AU	7395	56			B2	2001	1018									
	CN	1191	861			Α	1998	0902	C	N 1	997-	1072	78		1	9971	223
	CN	1118	461			В	2003	0820									
	BR	9705	635			Α	1999	0518	В	R 1	997-	5635			1:	9971	223
	US	5945	396			Α	1999	0831	U	s 1	997-	9968	95		1	9971	223
	JP	1018	2622			A2	1998	0707	J	P 1	.997-	3549	22		1	9971	224
PRAI	GB	1996	-268	51		Α	1996	1224									
~ ~	2021	~ ~ ~ ~	100	1007	~ ^												

OS MARPAT 129:123760

IT 210101-83-0P 210101-84-1P 210101-86-3P

RL: IMF (Industrial manufacture); PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(preparation of triazinylaminostilbenes as ultra-violet absorbing agents for textile fibers)

RN 210101-83-0 CAPLUS

CN Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino(6-amino-1,3,5-triazine-4,2-diyl)imino]]bis-, bis[2-(diethylamino)ethyl] ester, disodium salt (9CI) (CA INDEX NAME)

$$\mathsf{Et}_2\mathsf{N}-\mathsf{CH}_2-\mathsf{CH}_2-\mathsf{O}-\mathsf{C}$$

$$\mathsf{NH}_2$$

$$\mathsf{NH}_3$$

$$\mathsf{NH}_4$$

$$\mathsf{NH$$

●2 Na

PAGE 1-B

$$\begin{array}{c|c} & & & & & \\ & & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & \\ & & \\ &$$

RN 210101-84-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis[2-(diethylamino)ethyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt, tetrahydrochloride (9CI) (CA INDEX NAME)

PAGE 1-A

•4 HCl

2 Na

PAGE 1-B

- CH₂- NEt₂

CN Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[[2-(dimethylamino)ethyl]amino]-1,3,5-triazine-4,2-diyl]imino]]bis-, tetrasodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●4 Na

PAGE 1-B

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 251 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1998:460578 CAPLUS
- DN 129:152602
- TI Behavior of fluorescent whitening agents during sewage treatment
- AU Poiger, Thomas; Field, Jennifer A.; Field, Thomas M.; Siegrist, Hansruedi; Giger, Walter
- CS Swiss Federal Institute for Environmental Science and Technology (EAWAG), Dubendorf, CH-8600, Switz.
- SO Water Research (1998), 32(6), 1939-1947 CODEN: WATRAG; ISSN: 0043-1354
- PB Elsevier Science Ltd.
- DT Journal
- LA English
- IT 24231-46-7
 - RL: REM (Removal or disposal); PROC (Process)
 (behavior of fluorescent whitening agents during sewage treatment)
- RN 24231-46-7 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4ANSWER 252 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

1998:388593 CAPLUS AN

129:42614 DN

ΤI Laundry detergent compositions containing a combination of surfactants and optical brighteners

Prada-Silvy, Ricardo Alfredo; Navarro-Cerda, Luisa; Soto, Ronny Jose IN

Procter & Gamble Company, USA PA

SO PCT Int. Appl., 40 pp. CODEN: PIXXD2

DTPatent

English LΑ

FAN.	CNT	1																			
PATENT NO.							KIND		DATE		APPL:		DATE								
PI	WO 9823720					A1	_	1998	0604	WO 1997-US21886						19971120					
		W:	BR,	CA,	CN,	IL,	MX,	TR													
		RW:	ΑT,	BE,	CH,	DE,	DK,	ES,	FI,	FR,	GB,	GR,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE		
	ZA 9710511					A 19980610					ZA 19	997-	1051		19971121						
PRAI	AI US 1996-31846P							1996	1126												
os	MAI	RPAT	129:	4261	4																
TΨ	160	090-0	2-1.	Tin	opal	AMS															

RL: MOA (Modifier or additive use); USES (Uses) (optical brightener; high sudsing laundry detergent compns. containing a combination of surfactants and optical brighteners)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4ANSWER 253 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

1998:388402 CAPLUS AN

DN 129:69138

ΤI Detergent additive package

Artiga Gonzalez, Rene-Andres; Bauer, Volker; Bocker, Monika; Schambil, Fred; Jebens, Heinke

PA Henkel K.-G.a.A., Germany

SO Eur. Pat. Appl., 13 pp. CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

114														
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE									
PI	EP 846758	A2	19980610	EP 1997-121101	19971201									
	EP 846758	A 3	19981216											

EP 846758 B1 20060301

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

DE 19651072 A1 19980610 DE 1996-19651072 19961209 AT 318887 E 20060315 AT 1997-121101 19971201

PRAI DE 1996-19651072 A 19961209

IT 16090-02-1, Disodium 4,4'-bis(4-anilino-6-morpholino-s-triazin-2-ylamino)stilbene-2,2'-disulfonate

RL: MOA (Modifier or additive use); USES (Uses)

(fluorescent whitener; detergent additive package)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 254 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1998:325241 CAPLUS

DN 128:299007

TI Dynamic Behavior of Fluorescent Whitening Agents in Greifensee: Field Measurements Combined with Mathematical Modeling of Sedimentation and Photolysis

AU Stoll, Jean-Marc A.; Ulrich, Markus M.; Giger, Walter

CS Swiss Federal Institute for Environmental Science and Technology (EAWAG), Duebendorf, CH-8600, Switz.

SO Environmental Science and Technology (1998), 32(13), 1875-1881 CODEN: ESTHAG; ISSN: 0013-936X

PB American Chemical Society

DT Journal

LA English

IT 24231-46-7

RL: PEP (Physical, engineering or chemical process); POL (Pollutant); REM (Removal or disposal); OCCU (Occurrence); PROC (Process)

(modeling sedimentation and photodegrdn. of laundry detergent fluorescent whitening agents in Greifensee, Switzerland)

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 255 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1998:324852 CAPLUS

DN 129:17116

TI Floor finishing compositions

IN Marchese, Frank

INDEX NAME)

PA USA

SO U.S., 6 pp. CODEN: USXXAM

DT Patent

LA English

FAN. CNT 1

FAN.	CNT 1 PATENT NO.	KIND	DATE	APPLICATION NO.	DATE							
PI PRAI IT	US 5753758 US 1997-794994 4404-43-7 16090-02-	A -1 35632	19980519 19970205 2-99-6	us 1997-794994	19970205							
RL: MOA (Modifier or additive use); USES (Uses) (durable floor finishing compns. containing acrylic polymers and stilbe compds.)												
RN CN	4404-43-7 CAPLUS Benzenesulfonic aci	.d, 2,2	-(1,2-ethe	nediyl)bis[5-[[4-[bis(2-							

hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI)

PAGE 1-B

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- сн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 256 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1998:265862 CAPLUS

DN 128:296166

TI Stable clear low-viscosity fluorescent whitening agent formulation for detergent manufacture

IN Kuratli, Rolf; Schmidlin, Anita

PA Ciba Specialty Chemicals Holding Inc., Switz.

SO Eur. Pat. Appl., 15 pp. CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

L'MIN'	~14 T	Τ.														
	PA'	CENT	NO.			KINI	D DATE	•	Al	PLICA	TION	NO.		D	ATE	
ΡI	EP	 8371	 L24			A2	- <u></u> 1998	0422	E	1997	 -8107	41		1:	9971	006
	ΕP	8371	124			А3	1999	0120								
	EΡ	8371	L24			В1	2003	1203								
		R:	AT,	BE,	CH,	DE,	DK, ES,	FR,	GB, C	R, IT	, LI,	LU,	NL,	SE,	MC,	PT,
			IE,	FI	•	•	, ,	•	•	•		•	•	•	•	•
	GB	2318	3360			A1	1998	0422	GI	1996	-2142	1		1	9961	015
	TW	4003	379			В	2000	0801	TV	1 1997	-8611	2472		1:	970	830
	ES	2210	0486			т3	2004	0701	ES	1997	-8107	41		1	9971	006
	ZΑ	9709	9178			Α	1998	0415	\mathbf{z}	1997	-9178			1	9971	014
	CN	1179	9466			Α	1998	0422	Cì	1 1997	-1204	41		1	9971	014
	ΑU	9741	1000			A1	1998	0423	JΑ	1997	-4100	0		1	9971	014
	AU	7329	91			B2	2001	0503								
	BR	9705	5030			Α	1999	0615	BI	1997	-5030			1	9971	014
	JΡ	1015	2695			A2	1998	0609	JI	1997	-2809	87		1	9971	015
PRAI	GB	1996	5-214	21		Α	1996	1015								
os	MAI	RPAT	128:	2961	66											
ΙT	419	93-55	5-9 1	3863	-31-5	160	090-02-1									

IT 4193-55-9 13863-31-5 16090-02-1 31900-04-6

RL: TEM (Technical or engineered material use); USES (Uses) (brightener; in stable clear low-viscosity fluorescent whitening agent formulation for detergent manufacture)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

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RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

— cн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 257 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1998:265744 CAPLUS

DN 128:271981

TI Dispersions of optical brighteners and their use in paper manufacture

IN Rohringer, Peter; Traber, Rainer Hans; Ruf, Peter; Engelhardt, Thomas

PA Ciba Specialty Chemicals Holding Inc., Switz.

SO Eur. Pat. Appl., 9 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

	PATENT NO.					•	KIND		DATE			PP:	LIC	AT]	ON	NO.		DATÈ				
PI	EP	835	90	 6			A2	•	1998	E	EP 1997-810722						19971001					
	ΕP	835	90	6			A3		2000	0614												
	ΕP	835	90	6			В1		2003	1105												
		R:	7	AT.	BE.	CH.		DK.	ES.	FR,	GB.	GR	. T	Т.	LI.	LU.	NL.	SE.	MC.	PT.		
							LV,			,	,		, –	-,	,	,	,	,	,	,		
	ΑТ	253		-	~-,	,	E	,		1115	А	т .	199	7-8	3107	22		1	9971	001		
		835					T			0331		_			3107				9971			
		220		_			Т3			0616	_				3107			_	9971			
		597					A			1102					9460			_	9971			
		221					AA			0410	_				2217			_	9971			
		970					A			0414	_				051			_	9971			
		118					A			0506	_				1204				9971			
		110					В			0402		.14	133	, – 1	204	13		_	<i>)</i>	003		
		970		-						1110		ъ.	100	,	1998			1	9971	000		
							A											_				
		110					A2			0216	-				2769				9971			
		974					A1			0423	Α	U.	199	7-4	1095	7		1	9971	010		
		734					B2			0607												
PRAI	CH	199	6-2	2473	3		Α		1996	1010												
os	MAI	RPAT	12	28:2	2719	81																
IT	24231-46-7 52435-15-1 54822-17-2																					
	RL	: MC	A	(Mod	difi	er o	r add	liti	ve u	se);	PEP	(Pl	hys	ica	11,	engi:	neer	ing (or c	hemica		

RL: MOA (Modifier or additive use); PEP (Physical, engineering or chemical process); PROC (Process); USES (Uses)

(fluorescent whitener dispersions for use in paper manufacture)

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 52435-15-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

— сн₂— он

RN 54822-17-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(ethylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

IT 4404-43-7

RL: MOA (Modifier or additive use); PEP (Physical, engineering or chemical process); PROC (Process); USES (Uses)

(movfluorescent whitener dispersions for use in paper manufacture)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

— cн₂- он

L4 ANSWER 258 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1998:262361 CAPLUS

DN 129:25232

TI A new spectrophotometric method of assay for chitosanase based on Calcofluor white dye binding

AU Somashekar, D.; Joseph, R.

CS Department of Food Microbiology, Central Food Technological Research Institute, Mysore, 570 013, India

SO Carbohydrate Polymers (1998), Volume Date 1997, 34(4), 343-346 CODEN: CAPOD8; ISSN: 0144-8617

PB Elsevier Science Ltd.

DT Journal

LA English

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2-N$
 $HO-CH_2-N$
 H

●2 Na

PAGE 1-B

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RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ANSWER 259 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
ΑN
     1998:208469 CAPLUS
DN
     128:258498
     Multilayer coatings with a strippable topcoat and aqueous intermediate
ΤI
     laver
IN
     Fowler, Michael
     Courtaulds Aerospace Inc., USA; Fowler, Michael
PA
     PCT Int. Appl., 25 pp.
SO
     CODEN: PIXXD2
DT
     Patent
     English
LΑ
FAN.CNT 1
                                                                           DATE
     PATENT NO.
                            KIND
                                    DATE
                                                 APPLICATION NO.
      _____
                            ____
                                    _____
                                                -----
                                              WO 1997-GB2596
                                    19980402
                                                                            19970924
ΡI
     WO 9813148
                            A1
         W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ,
          PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR,
              GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,
              GN, ML, MR, NE, SN, TD, TG
     CA 2271627
                             AΑ
                                    19980402
                                                 CA 1997-2271627
                                                                            19970924
     AU 9743143
                             A1
                                    19980417
                                                 AU 1997-43143
                                                                            19970924
     AU 734962
                             В2
                                    20010628
     EP 930944
                             A1
                                    19990728
                                                 EP 1997-941121
                                                                            19970924
     EP 930944
                             В1
                                    20010418
          R: AT, BE, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE, PT, IE, FI
     CN 1230908
                                    19991006
                                                 CN 1997-198128
                                                                            19970924
                             Α
     CN 1067301
                             В
                                    20010620
     BR 9712129
                                    20000118
                                                 BR 1997-12129
                                                                           19970924
                             Α
     JP 2001500786
                             Т2
                                    20010123
                                                 JP 1998-515392
                                                                           19970924
                                                 AT 1997-941121
     AT 200636
                            E
                                    20010515
                                                                           19970924
     ES 2158584
                            Т3
                                    20010901
                                                 ES 1997-941121
                                                                           19970924
     ZA 9708599
                                    19980326
                                                 ZA 1997-8599
                                                                           19970925
                            Α
     KR 2000036141
                                                 KR 1999-702181
                            Α
                                    20000626
                                                                           19990315
                                                 NO 1999-1462
     NO 9901462
                                    19990519
                                                                           19990325
                            Α
PRAI GB 1996-20246
                            Α
                                    19960926
     WO 1997-GB2596
                            W
                                    19970924
     4193-55-9, Fluorescent Brightener 28
ΙT
     RL: TEM (Technical or engineered material use); USES (Uses)
         (aqueous intermediate layer promoting strippability of polyurethane top
         coat from primed aluminum panel)
RN
     4193-55-9 CAPLUS
CN
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-
     hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium
     salt (9CI) (CA INDEX NAME)
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PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

2 Na

PAGE 1-B

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RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 260 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1998:163376 CAPLUS AN

DN 128:193689

Triazine derivatives as fluorescent whitening agents and UV absorbers and ΤI their use to increase the sun protection factor of textile material

Eckhardt, Claude; Reinehr, Dieter; Metzger, Georges; Sauter, Hanspeter IN

Ciba Specialty Chemicals Holding Inc., Switz.

SO Eur. Pat. Appl., 17 pp.

CODEN: EPXXDW

DTPatent

LA English

FAN.	CNT	1																	
	PATENT NO.				KINI	D 1	DATE			APE	LIC	AT I	ON 1	. 01		D	ATE		
PI		8251						1998			EP	199	7-8	3103	34		1	9970	528
	ΕP	8251				B1		20 0 30											
		R:	ΑT,	•		•	•	•	•	GB,	GF	≀, I	T,	LI,	LU,	ΝL,	SE,	MC,	PT,
			•	•	,	•		RO									,		
	EP	1254	900			A2	:	20 0 2:	1106		ΕP	200	2-1	L7732	2		1	9970	528
	EΡ	1254	900			A3	:	20 0 3:	1203										
		R:	BE,	CH,	DE,	ES,	FR,	GB,	IT,	LI,	NI	J							
	ES	2189	936			Т3	:	20 0 3	0716		ES	199	7-8	3103	34		1:	9970	528
	GB	2316	401			A1		1998	0225		GB	199	7-1	1092	6		1:	9970	529
	ΑU	9724	641			A1		1998	0226		ΑU	199	7-2	2464	1		1	9970	602
	AU	7243	35			B2	:	20 0 0	0914										
	ZA	9704	830			Α		1998	0817		ZA	199	7-4	1830			1	9970	602
	US	5939	379			Α		1999	0817		US	199	7-8	3671	10		1:	9970	602
	JΡ	1008	7638			A2		1998	0407		JР	199	7-1	1563	99		1:	9970	613
	BR	9703	601			Α		1998	0818		BR	199	7-3	3601			1	9970	617
PRAI		1996		22		A		1996	0817									_	
		1997				A3		1997											
OS		PDDT			89														

MARPAT 128:193689 os

IT 203250-74-2P RL: IMF (Industrial manufacture); MOA (Modifier or additive use); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (preparation of triazine derivs. as fluorescent whitening agents and UV absorbers for increasing the sun protection factor of textile material)

RN 203250-74-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-[[4-[(methylamino)carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 261 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1998:51718 CAPLUS
- DN 128:125139
- TI A novel chitinase assay using the fluorescent brightener Calcofluor White M2R
- AU Sampson, Mark N.; Gooday, Graham W.
- CS Dep. of Mol. and Cell Biol., Marischal Coll., Univ. of Aberdeen, Aberdeen, AB9 1AS, UK
- SO Chitin Enzymology, Proceedings of the International Symposium on Chitin Enzymology, 2nd, Senigallia, Italy, May 8-11, 1996 (1996), 227-234. Editor(s): Muzzarelli, Riccardo A. A. Publisher: Atec Edizioni, Grottammare, Italy.

CODEN: 65LZA3

- DT Conference
- LA English
- IT 4193-55-9, Calcofluor White M2R
 - RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses) (determination of Serratia marcescens chitinase using the fluorescent brightener, Calcofluor White M2R)
- RN 4193-55-9 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

2 Na

PAGE 1-B

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RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 262 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1998:4863 CAPLUS
- DN 128:88068
- TI Studies on physicochemical properties of fluorescent substances in bean sprouts
- AU Wong, Ray-Guang
- CS Dep. Food Ind., Natl. I-Lan Inst. Agric. Technol., I-Lan, Taiwan
- SO Yaowu Shipin Fenxi (1997), 5(3), 207-215 CODEN: YSFEEP; ISSN: 1021-9498
- PB National Laboratories of Food and Drugs, Dep. of Health, Executive Yuan
- DT Journal
- LA Chinese
- RN 36294-44-7 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

PAGE 1-A

NHPh

NHPh

SO3H

NHPh

NHPh

●2 Na

PAGE 1-B

OH

RN 56776-30-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1E)-1,2-ethenediylbis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Double bond geometry as shown.

2 Na

- L4 ANSWER 263 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1998:1463 CAPLUS
- DN 128:63080
- TI Use of triazine-based ultraviolet radiation absorbing agents for use as quenchers in papermaking processes
- IN Rohringer, Peter; Reinehr, Dieter; Hochberg, Robert; Metzger, Georges
- PA Ciba Specialty Chemicals Holding Inc., Switz.; Rohringer, Peter; Reinehr, Dieter; Hochberg, Robert; Metzger, Georges

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SO
     PCT Int. Appl., 47 pp.
     CODEN: PIXXD2
DT
     Patent
     English
LA
FAN.CNT 1
     PATENT NO.
                         KIND
                                 DATE
                                             APPLICATION NO.
                                                                     DATE
PΙ
     WO 9746541
                           A2
                                 19971211
                                             WO 1997-EP2606
                                                                     19970522
     WO 9746541
                                 19980219
                           A3
             AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
             DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ,
             LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL,
             PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ,
             VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB,
             GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN,
             ML, MR, NE, SN, TD, TG
     CA 2252575
                           AΑ
                                 19971211
                                             CA 1997-2252575
                                                                     19970522
     AU 9730284
                           A1
                                 19980105
                                             AU 1997-30284
                                                                     19970522
     AU 728995
                                 20010125
                           B2
     EP 912530
                          A2
                                 19990506
                                             EP 1997-924971
                                                                     19970522
         R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE, PT, FI
                                 19990630
                                             CN 1997-195231
                                                                     19970522
     CN 1221439
                          Α
     CN 1081655
                           R
                                 20020327
     BR 9709637
                          Α
                                 19990810
                                             BR 1997-9637
                                                                     19970522
     NZ 332430
                          Α
                                 20000526
                                             NZ 1997-332430
                                                                     19970522
     JP 2000512667
                          T2
                                 20000926
                                             JP 1998-500151
                                                                     19970522
     GB 2313850
                          Α1
                                 19971210
                                             GB 1997-10863
                                                                     19970528
     ZA 9704870
                          Α
                                 19980512
                                             ZA 1997-4870
                                                                     19970603
     US 6143888
                          Α
                                 20001107
                                             US 1998-194767
                                                                     19981202
     KR 2000016276
                          Α
                                 20000325
                                             KR 1998-709849
                                                                     19981203
PRAI GB 1996-11614
                          Α
                                 19960604
     WO 1997-EP2606
                                 19970522
OS
     MARPAT 128:63080
     182188-13-2 182188-14-3 200394-96-3
IT
     200394-97-4 200395-01-3 200395-04-6
     200395-05-7 200395-06-8 200395-07-9
     200395-08-0 200395-10-4 200395-11-5
     RL: MOA (Modifier or additive use); USES (Uses)
        (triazine-based UV radiation absorbing agents for quenchers in
        papermaking)
     182188-13-2 CAPLUS
RN
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(4-
CN
     acetylphenyl)amino]-6-[bis(2-hydroxyethyl)amino]-1,3,5-triazin-2-yl]amino]-
     , disodium salt (9CI) (CA INDEX NAME)
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PAGE 1-A

PAGE 1-B

$$-$$
 сн $_2$ - сн $_2$ - он

RN 182188-14-3 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(4-acetylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

PAGE 1-B

RN 200394-96-3 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-[(4-acetylphenyl)amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CAINDEX NAME)

PAGE 1-A

NH2 SO3H SO3H NH2

AC NH NH NH NH

●2 Na

PAGE 1-B

RN 200394-97-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-[(3-acetylphenyl)amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

RN 200395-01-3 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(4-acetylphenyl)amino]-6-[(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]-, tetrasodium salt (9CI) (CA INDEX NAME)

HO3S-CH2-CH2-NH SO3H SO3H NH
AC NH NH NH NH NH

●4 Na

PAGE 1-B

— cH₂— cH₂— sO₃H

RN 200395-04-6 CAPLUS

CN Glycine, N,N'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[(4-acetylphenyl)amino]-1,3,5-triazine-4,2-diyl]]]bis[N-methyl-, tetrasodium salt (9CI) (CA INDEX NAME)

●4 Na

PAGE 1-B

— сн₂— со₂н

RN 200395-05-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(4-acetylphenyl)amino]-6-[(2-hydroxyethyl)methylamino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

RN 200395-06-8 CAPLUS

CN L-Glutamic acid, N,N'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[(4-acetylphenyl)amino]-1,3,5-triazine-4,2-diyl]]]bis-, hexasodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry. Double bond geometry unknown.

PAGE 1-A

RN 200395-07-9 CAPLUS

CN Glycine, N,N'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[(4-acetylphenyl)amino]-1,3,5-triazine-4,2-diyl]]]bis[N-(carboxymethyl)-, hexasodium salt (9CI) (CA INDEX NAME)

●6 Na

PAGE 1-B

RN 200395-08-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(4-acetylphenyl)amino]-6-[(2-methoxyethyl)amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

- CH2- CH2- OMe

NH——NH——Ac

RN 200395-10-4 CAPLUS

CN Hexanoic acid, 6,6'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[(4-acetylphenyl)amino]-1,3,5-triazine-4,2-diyl]imino]]bis-, tetrasodium salt (9CI) (CA INDEX NAME)

HO2C-(CH2)5-NH SO3H SO3H NH

AC

NH
NH
NH
NH
NH

●4 Na

PAGE 1-B

— (CH₂)₅-со₂н

___NH____Ac

RN 200395-11-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(4-acetylphenyl)amino]-6-[ethyl(2-hydroxyethyl)amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

D2 Na

PAGE 1-B

ANSWER 264 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

ΑN 1997:769128 CAPLUS

128:63207 DN

TIHigh bulk density laundry detergents containing bleach and bleach activator

IN Yoneyama, Yuji

PΑ Lion Corp., Japan

Jpn. Kokai Tokkyo Koho, 8 pp. SO

CODEN: JKXXAF

DTPatent

LΑ Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 09310097 PRAI JP 1996-126984	A2	19971202 19960522	JP 1996-126984	19960522

16090-02-1, Whitex SA IT

RL: MOA (Modifier or additive use); USES (Uses) (fluorescent agent; high bulk d. laundry detergents containing bleach and bleach activator)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

- L4 ANSWER 265 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1997:738621 CAPLUS
- DN 128:16201
- TI Fluorescent whitening agents as molecular markers for domestic wastewater in recent sediments of Greifensee, Switzerland
- AU Stoll, Jean-Marc A.; Poiger, Thomas F.; Lotter, Andre F.; Sturm, Michael; Giger, Walter
- CS Swiss Federal Institute for Environmental Science and Technology (EAWAG) and Swiss Federal Institute of Technology Zurich (ETH), Dubendorf, CH-8600, Switz.
- SO ACS Symposium Series (1997), 671 (Molecular Markers in Environmental Geochemistry), 231-241 CODEN: ACSMC8; ISSN: 0097-6156
- PB American Chemical Society
- DT Journal
- LA English
- IT 82584-34-7
 - RL: POL (Pollutant); OCCU (Occurrence)
 (fluorescent whitening agents as mol. markers for domestic wastewater
 in recent sediments of Greifensee, Switzerland)
- RN 82584-34-7 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, ion(2-) (9CI) (CA INDEX NAME)

RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 266 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1997:733826 CAPLUS
- DN 128:33871
- TI A new method for determining the area of cell walls in rye doughs based on fluorescence microscopy and computer-assisted image analysis
- AU Parkkonen, T.; Heinonen, R.; Autio, K.
- CS VTT Biotechnol. Food Res., FIN-02044, Finland
- SO Food Science & Technology (London) (1997), 30(7), 743-747 CODEN: LBWTAP; ISSN: 0023-6438
- PB Academic Press Ltd.
- DT Journal

LA English

IT 4193-55-9, Calcofluor White M2R

RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses) (determination of area of cell walls in rye doughs based on fluorescence microscopy and computer-assisted image anal.)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 267 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1997:696836 CAPLUS

DN 127:333115

TI Mid-chain branched surfactants

IN Connor, Daniel Stedman; Cripe, Thomas Anthony; Vinson, Phillip Kyle; Willman, Kenneth William; Burckett St. Laurent, James Charles T. R.; Dupont, Jeffrey Scott; Scheibel, Jeffrey John; Stidham, Robert Emerson

PA Procter and Gamble Company, USA; Connor, Daniel Stedman; Cripe, Thomas Anthony; Vinson, Phillip Kyle; Willman, Kenneth William; Burckett St. Laurent, James Charles T. R.; Dupont, Jeffrey Scott; Scheibel, Jeffrey John; Stidham, Robert Emerson

SO PCT Int. Appl., 137 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 9

LIUI.	CIVI	_																	
	PA.	CENT	NO.			KIN	D	DATE		1	APPL	ICAT:	ION	NO.		D2	ATE		
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PI	WO	9739	091		•	A1		1997	1023	1	WO 1	997-1	US64	76		19	9970	416	
		W:	AL,	AM,	AT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	CA,	CH,	CN,	CU,	CZ,	DE,	
			DK,	EE,	ES,	FI,	GB,	GE,	HU,	IL,	IS,	JP,	ΚE,	KG,	KP,	KR,	ΚZ,	LC,	
			LK,	LR,	LS,	LT,	LU,	LV,	MD,	MG,	MK,	MN,	MW,	MX,	NO,	NZ,	PL,	PT,	
			RO,	RU,	SD,	SE,	SG,	SI,	SK,	ТJ,	TM,	TR,	TT,	UA,	ŬĠ,	US,	UZ,	VN,	YU

RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG EG 1997-313 EG 21623 19970315 Α 20011231 19970416 CA 2252424 AA 19971023 CA 1997-2252424 CA 2252424 С 20020611 19970416 AU 9727345 AU 1997-27345 19971107 A1 AU 727909 B2 20010104 EP 898608 **A1** 19990303 EP 1997-921250 19970416 EP 898608 В1 20030611 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI 19990817 BR 1997-10429 19970416 BR 9710429 Α JP 2000503700 T2 20000328 JP 1997-537385 19970416 AT 242796 Ε 20030615 AT 1997-921250 19970416 ES 2196329 ES 1997-921250 19970416 Т3 20031216 20000118 US 1998-170185 US 6015781 Α 19981013 US 6020303 20000201 US 1998-170167 19981013 Α NO 9804790 Α 19981215 NO 1998-4790 19981014 KR 1998-708436 KR 2000005562 Α 20000125 19981016 PRAI US 1996-15521P P 19960416 US 1996-15523P P 19960416 US 1996-31916P Ρ 19961126 US 1996-31844P Ρ 19961126 19970416 WO 1997-US6476 W 16090-02-1 IT

RL: TEM (Technical or engineered material use); USES (Uses) (mid-chain branched surfactants)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 268 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1997:636287 CAPLUS

DN 127:294975

TI High bulk density laundry detergent composition

IN Yoneyama, Yuji; Kikukawa, Masazumi

PA Lion Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	-				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09249895	A2	19970922	JP 1996-61108	19960318
PRAI	JP 1996-61108		19960318		

MARPAT 127:294975 os

IT 16090-02-1, Whitex SA

> RL: TEM (Technical or engineered material use); USES (Uses) (fluorescent dyes; high bulk d. laundry detergent composition)

16090-02-1 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

ANSWER 269 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

AN 1997:623233 CAPLUS

DN 127:279863

Powder detergent composition and method of making TI

Brouwer, Steven J.; Wint, Michael J. IN

Amway Corporation, USA; Brouwer, Steven J.; Wint, Michael J. PA

PCT Int. Appl., 52 pp. SO

CODEN: PIXXD2

DT Patent

LA	English CNT 1 PATENT				KIN	D	DATE			APPL	ICAT	ION :	NO.		D <i>l</i>	ATE	
ΡI	WO 9733	061			ב 1 א		1007			 WO 1						2070	310
FI	₩O 9733 ₩:																
	, w.						GE,										
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							LV,										
							SI,				ıĸ,	11,	UA,	uu,	05,	04,	V14 ,
	DW.						MD,				CH	שת	חע	E.C	ਦਾਸ	ED	CB
	RW:						SZ, NL,										
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	110 571/	ML,	MK,	NE,	ΣN,	ıυ,	TG	U2U3		11C 1	006-	6161	12		1 (aakn	315
	US 5714 CA 2248	1901			אר אר		1007	0203		CD 1	007-	0704	32 001		10	200	310
	CA 2248	001			AA.		2001	1020		CAI	JJ 1-	2240	J J T		1.	9910	310
	AU 9720	7770			7.1		1007	1001		זות 1	007	2077	^		1 (2070	310
	AU 7169	57			M.T.		7221	TOOT		AU I	991-	2011	O		1.	<i>551</i> 0.	310
	EP 8884	26			7.1		1000	0309		E D 1	007	0000	16		1 (2070	210
	R:				DE,	, אע	ES,	rk,	GB,	GR,	IT,	тт,	ьo,	ΝL,	SE,	MC,	ΕΙ,
	CN 1218	1D,	FI		70		1999	0600		CNT 1	007	1046	72		1 (210
	JP 1150	10574			M.		1999								19		
	JP 1150	19314			12					JP I	991-	5321	91		13	9910	310
	JP 3217 US 6080	3/6			82		2001			1	000	4106	^		1 (9980	210
DD 3 T										US I	998-	4106	U		13	9900	310
PRAI	US 1996 WO 1997	-616	442		A2		1990	0310									
Tm									0 1	 .	,	F 734	~ "				
IT	4193-55													\			

RL: TEM (Technical or engineered material use); USES (Uses)

(powder detergent composition and method of making)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

•2 Na

PAGE 1-B

— cн₂— он

RN 169762-28-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(aminomethyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$H_2N-CH_2$$
 H_2N-CH_2
 H_2N-CH_2

●2 Na

PAGE 1-B

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L4 ANSWER 270 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
```

AN 1997:623231 CAPLUS

DN 127:264581

TI Discrete whitening agent particles, method of making, and powder detergent containing same

IN Brouwer, Steven J.; Wint, Michael J.

PA Amway Corporation, USA; Brouwer, Steven J.; Wint, Michael J.

SO PCT Int. Appl., 52 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.					KIND DATE			APPLICATION NO.									
ΡI	WO	9733	958 _.			A1	_	1997	0918						•	1:	9970	310
		W:	AL,	AM,	ΑT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	CA,	CH,	CN,	CU,	CZ,	DE,
			DK,	EE,	ES,	FI,	GB,	GE,	HU,	IL,	IS,	JP,	ΚE,	KG,	KP,	KR,	ΚZ,	LC,
			LK,	LR,	LS,	LT,	LU,	LV,	MD,	MG,	MK,	MN,	MW,	MX,	NO,	NZ,	PL,	PT,
			RO,	RU,	SD,	SE,	SG,	SI,	SK,	ТJ,	TM,	TR,	TT,	UA,	UG,	US,	US,	US,
			UZ,	VN,	AM,	ΑZ,	BY,	KG,	ΚZ,	MD,	RU,	TJ,	TM					
		RW:	GH,	ΚE,	LS,	MW,	SD,	SZ,	UG,	AT,	BE,	CH,	DE,	DK,	ES,	FI,	FR,	GB,
			GR,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE,	BF,	ВJ,	CF,	CG,	CI,	CM,	GΑ,	GN,
			ML,	MR,	NE,	SN,	TD,	TG										
	US	5714	456			Α		1998	0203	Ī	JS 1	996-	6162	80		19	9960	315
		5714						1998				996-					9960	
		5714				Α		1998				996-					9960	
		9720				A1		1997		_		997-		-			9970	
		4735				В		2002				997-				-	9970	
		5998				Α		1999:		Į	JS 1	998,-	4106	3		19	9980	310
PRAI		1996				A2		1996										
		1996-				A2		1996										
		1996				A2		1996										
	WO	1997-	-US3'	740		W		1997	0310									

IT 4193-55-9, Tinopal UNPA-GX 169762-28-1, Tinopal 5BM-GX

RL: TEM (Technical or engineered material use); USES (Uses)

(discrete whitening agent particles, method of making, and powder detergent containing same)

RN 4193-55-9 CAPLUS

CN. Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

PAGE 1-B

— cн₂- он

RN 169762-28-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(aminomethyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$H_2N-CH_2$$
 H_2N-CH_2
 H_2N-CH_2

•2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 271 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1997:617571 CAPLUS

DN 127:236019

TI Production method of high bulk density granular detergent compositions

IN Makino, Makoto; Takahashi, Shinobu; Shiobara, Masataka

PA Lion Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN. CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FAIGNI NO.	KIND		AFFEIGATION NO.	DAIL
PI JP 09241693	A2	19970916	JP 1996-47659 ·	19960305
PRAI JP 1996-47659		19960305		

IT 16090-02-1, Whitex SA

RL: TEM (Technical or engineered material use); USES (Uses) (production method of high bulk d. granular detergent compns.)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

- L4 ANSWER 272 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
 - AN 1997:561651 CAPLUS
 - DN 127:157893
 - TI Components of the stilbene optical brightener Tinopal LPW as enhancers for the gypsy moth (Lepidoptera: Lymantriidae) baculovirus
 - AU Shapiro, Martin; Argauer, Robert
 - CS Beltsville Agriculture Research Center, USDA-ARS, Beltsville, MD, 20705, USA
 - SO Journal of Economic Entomology (1997), 90(4), 899-904 CODEN: JEENAI; ISSN: 0022-0493
 - PB Entomological Society of America
 - DT Journal
 - LA English
 - IT 4193-55-9, Tinopal LPW

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(components of Tinopal LPW as enhancers for the gypsy moth baculovirus)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 273 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1997:433959 CAPLUS
- DN 127:139683
- TI Fluorescent brightener 28 removal by ozonation or advanced oxidation processes (O3/H2O2)
- AU Lemeune, S.; Barbe, J. M.; Trichet, A.; Guilard, R.
- CS Lab. Ingenierie Moleculaire Separation Applications, Univ. Bourgogne, Dijon, 21100, Fr.
- SO Ozone: Science & Engineering (1997), 19(2), 129-144 CODEN: OZSEDS; ISSN: 0191-9512
- PB Lewis
- DT Journal
- LA English
- IT 4193-55-9, Fluorescent brightener 28
 - RL: REM (Removal or disposal); PROC (Process) (fluorescent brightener removal by ozonization and advanced oxidation processes)
- RN 4193-55-9 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

-- сн2-- он

- L4 ANSWER 274 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1997:375489 CAPLUS
- DN 127:62692
- TI Rapid flow cytometric detection and identification of microbial particles
- AU Davey, Hazel M.; Kell, Douglas B.
- CS Institute Biological Sciences, University Wales, Wales, UK
- SO Proceedings of the ERDEC Scientific Conference on Chemical and Biological Defense Research, Aberdeen Proving Ground, Md., Nov. 15-18, 1994 (1996), Meeting Date 1994, 593-599. Editor(s): Berg, Dorothy A. Publisher: National Technical Information Service, Springfield, Va.

CODEN: 64NAAX

DT Conference

LA English

IT 4193-55-9, Calcofluor White M2R

RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses) (rapid flow cytometric detection and identification of microbial particles)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 275 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1997:374628 CAPLUS

DN 126:344695

TI Granules containing swellable layered silicates, optical brighteners, and surfactants

IN Schall, Norbert; Heininger, Wolfgang; Hirsch, Ruediger

PA Sued-Chemie AG, Germany; Dalli-Werke Waesche- Und Koerperpflege Gmbh & Co. Kg, 52224 Stolberg, De

SO Ger. Offen., 9 pp. CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

FAN.	CNT 1			
	PATENT NO.	KIND DATE	APPLICATION NO.	DATE
ΡI	DE 19538028	A1 19970417	DE 1995-19538028	19951012
	WO 9713831	A1 19970417	WO 1996-EP4337	19961005
	W: JP, RU, US			
	RW: AT, BE, CH	, DE, DK, ES, FI,	FR, GB, GR, IE, IT, LU,	MC, NL, PT, SE
	EP 856046	A1 19980805	EP 1996-934551 .	19961005
	EP 856046	B1 20030319		
	R: AT, BE, CH	, DE, ES, FR, GR,	IT, LI, NL, PT	
	JP 2000512320	T2 20000919	JP 1997-514693	19961005

AT 234912	E	20030415	AT 1996-934551	19961005
ES 2193265	Т3	20031101	ES 1996-934551	19961005
PRAI DE 1995-19538028	Α	19951012		
WO 1996-EP4337	W	19961005		

OS MARPAT 126:344695

IT 16090-02-1, Tinopal DMSX

RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)

(optical brightener; granules containing swellable layered silicates, optical brighteners, and surfactants for laundry detergents)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 276 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1997:347233 CAPLUS

DN 126:320784

TI Determination of Detergent-Derived Fluorescent Whitening Agent Isomers in Lake Sediments and Surface Waters by Liquid Chromatography

AU Stoll, Jean-Marc A.; Giger, Walter

CS Swiss Federal Institute for Environmental Science and Technology, Duebendorf, CH-8600, Switz.

SO Analytical Chemistry (1997), 69(13), 2594-2599 CODEN: ANCHAM; ISSN: 0003-2700

PB American Chemical Society

DT Journal

LA English

IT 56776-30-8 60316-97-4

RL: ANT (Analyte); ANST (Analytical study)

 $\hbox{(detergent-derived fluorescent whitening agent determination in lake sediments}\\$

and surface waters by HPLC)

RN 56776-30-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1E)-1,2-ethenediylbis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Double bond geometry as shown.

●2 Na

RN 60316-97-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

●2 Na

RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 277 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1997:346506 CAPLUS
- DN 127:106170
- TI Fluorescent probes for wall porosity and membrane integrity in filamentous fungi
- AU Brul, S.; Nussbaum, J.; Dielbandhoesing, S. K.
- CS Microbiology and Preservation Section, Unilever Research, Vlaardingen Laboratory, AT Vlaardingen, 3133, Neth.
- SO Journal of Microbiological Methods (1997), 28(3), 169-178 CODEN: JMIMDQ; ISSN: 0167-7012

PB Elsevier

DT Journal

LA English

IT 4193-55-9

RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses) (Calcofluor White M 2R; fluorescent probes for wall porosity and membrane integrity in filamentous fungi)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

•2 Na

PAGE 1-B

— cн₂- он

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 278 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1997:344109 CAPLUS

DN 127:19962

TI High bulk density granular textile detergent compositions

IN Kikukawa, Masazumi

PA Lion Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI PRAI	JP 09078098 JP 1995-233825	A2	19970325 19950912	JP 1995-233825	19950912

IT 16090-02-1, Whitex SA

RL: MOA (Modifier or additive use); USES (Uses) (high bulk d. granular textile detergent compns.)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX

NAME)

●2 Na

- L4 ANSWER 279 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1997:308676 CAPLUS
- DN 126:302611
- TI Fluorescence and relative activities of stilbene optical brighteners as enhancers for the gypsy moth (Lepidoptera: Lymantriidae) baculovirus
- AU Argauer, Robert; Shapiro, Martin
- CS Beltsville Agriculture Research Center, USDA-ARS, Beltsville, MD, 20705, USA
- SO Journal of Economic Entomology (1997), 90(2), 416-420 CODEN: JEENAI; ISSN: 0022-0493
- PB Entomological Society of America
- DT Journal
- LA English
- IT 4193-55-9, Tinopal LPW 4404-43-7 16090-02-1

35632-99-6

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (stilbene optical brighteners as enhancers for the gypsy moth baculovirus, as related to their fluorescence)

- RN 4193-55-9 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

PAGE 1-B

-- сн $_2-$ он

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

- CH₂- OH

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 280 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1997:270660 CAPLUS

DN 126:255089

TI Photoisomerization Kinetics of Stilbene-Type Fluorescent Whitening Agents

AU Canonica, Silvio; Kramer, Johannes B.; Reiss, Daniel; Gygax, Hansruedi

CS Swiss Federal Institute for Environmental Science and Technology (EAWAG), Duebendorf, CH-8600, Switz.

SO Environmental Science and Technology (1997), 31(6), 1754-1760 CODEN: ESTHAG; ISSN: 0013-936X

PB American Chemical Society

DT Journal

LA English

IT 82584-34-7

RL: PEP (Physical, engineering or chemical process); POL (Pollutant); REM (Removal or disposal); OCCU (Occurrence); PROC (Process)

(temperature effect on phys. and chemical of natural sunlight photoisomerization

of stilbene-type fluorescent whitening agents in river water)

RN 82584-34-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, ion(2-) (9CI) (CA INDEX NAME)

L4 ANSWER 281 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1997:212661 CAPLUS

DN 126:242172

TI Oxidative degradation and fluorescence of a non-biodegradable brightener via titania suspensions: implications for the natural cycle

AU Bandara, J.; Kiwi, J.; Humphry-Baker, R.; Pulgarin, C.

CS Institut de Chimie Physique, Ecole Polytechnique Federale de Lausanne, Lausanne, CH-1015, Switz.

SO Journal of Advanced Oxidation Technologies (1996), 1(2), 126-137 CODEN: JAOTFT; ISSN: 1203-8407

PB Science & Technology Integration

DT Journal

LA English

IT 16090-02-1, Tinopal DMS-X

RL: PEP (Physical, engineering or chemical process); REM (Removal or disposal); PROC (Process)

(oxidative degradation and fluorescence of non-biodegradable brightener via titania suspensions)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 282 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1997:168525 CAPLUS

DN 126:159055

TI Detergent composition comprising clay softening system and hydrophilic brightener

IN Fredj, Abdennaceur; Lappas, Dimitris; Cauwberghs, Serge Gabriel Pierre Roger

PA Procter & Gamble Company, USA

SO Eur. Pat. Appl., 13 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	J11 1	-																
	PATENT NO.					KIN	D	DATE			APPL:	ICAT:	ION I	NO.		DATE		
						-,	-			-								
ΡI	ΕP	7535	67			A 1		1997	0115]	EP 19	995-2	2 0 19	43		19	9950	714
		R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	ΙE,	IT,	LI,	LU,	NL,	PT,	SE
PRAI	ΕP	1995	-2019	943				1995	0714									

OS MARPAT 126:159055

IT 4193-55-9, Tinopal UNPA-GX 169762-28-1, Tinopal 5BM-GX
RL: MOA (Modifier or additive use); USES (Uses)
(brightener; detergent composition comprising clay softening system and hydrophilic brightener)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2-N$
 $HO-CH_$

●2 Na

PAGE 1-B

— cн₂- он

RN 169762-28-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(aminomethyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$H_2N-CH_2$$
 H_2N-CH_2
 H_2N

•2 Na

PAGE 1-B

— cн₂— он

L4 ANSWER 283 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1997:120660 CAPLUS

DN 126:132780

TI Photoisomerization of a dye-altered $\beta\text{--}1,4$ glucan sheet induces the crystallization of a cellulose-composite

10/519,031

- AU Cousins, Susan K.; Brown, R. Malcolm, Jr.
- CS Department of Botany, University of Texas, Austin, TX, 78713-7640, USA
- SO Polymer (1997), 38(4), 903-912 CODEN: POLMAG; ISSN: 0032-3861
- PB Elsevier
- DT Journal
- LA English
- IT 4193-55-9D, Tinopal LPW, glucan-modified

RL: PEP (Physical, engineering or chemical process); RCT (Reactant); PROC (Process); RACT (Reactant or reagent)

(photoisomerization of dye-modified β -1,4-glucan sheet induces crystallization of cellulose composites)

- RN 4193-55-9 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

•2 Na

PAGE 1-B

— сн2-он

- L4 ANSWER 284 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1997:120659 CAPLUS
- DN 126:168135
- TI X-ray diffraction and ultrastructural analyses of dye-altered celluloses support van der Waals forces as the initial step in cellulose crystallization
- AU Cousins, Susan K.; Brown, R. Malcolm, Jr.
- CS Department of Botany, University of Texas, Austin, TX, 78713-7640, USA
- SO Polymer (1997), 38(4), 897-902 CODEN: POLMAG; ISSN: 0032-3861
- PB Elsevier
- DT Journal
- LA English
- IT 4193-55-9, Tinopal lpw

RL: NUU (Other use, unclassified); USES (Uses)
(x-ray diffraction and ultrastructural analyses of dye-altered celluloses support van der Waals forces as initial step in cellulose crystallization)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 285 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1997:104807 CAPLUS

DN 126:297455

TI Detection and determination of optical brighteners in cosmetics

AU Brauer, B.; Funke, T.

CS Chem. Landes- Staatliches Veterinaeruntersuchungsamt, Muenster, D-48151, Germany

Deutsche Lebensmittel-Rundschau (1997), 93(1), 7-10 CODEN: DLRUAJ; ISSN: 0012-0413

PB Wissenschaftliche Verlagsgesellschaft

DT Journal

LA German

IT 4193-55-9 16090-02-1
RL: ANT (Analyte); BUU (Biological use, unclassified); ANST (Analytical study); BIOL (Biological study); USES (Uses)
(determination of optical brighteners in cosmetics by fluorimetry)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂— он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 286 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1996:738339 CAPLUS

DN 126:9477

TI. Fluorescent-whitening-agent formulations

IN Zelger, Josef; Schroeder, Serge

PA Ciba-Geigy AG, Switz.; Ciba Specialty Chemicals Holding Inc.

SO Eur. Pat. Appl., 18 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN CNT 1

LAN	.CNT I				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	EP 742281	A2	19961113	EP 1996-106746	19960429
	EP 742281	A3	19971203		
	EP 742281	B1	20030416		
	R: BE, CH, D	E. ES. FR	GB, IT, L	I, NL	

	ES 2194069	Т3	20031116	ES 1996-106746	19960429
	GB 2300644	A1	19961113	GB 1996-9203	19960502
	GB 2300644	B2	19980923		
	JP 08302563	A2	19961119	JP 1996-111400	19960502
	US 5695687	Α	19971209	US 1996-641863	19960502
PRAI	GB 1995-9291	Α	19950506		
os	MARPAT 126:9477				

13863-31-5 16090-02-1 31900-04-6 ΙT

RL: TEM (Technical or engineered material use); USES (Uses)

(liquid anhydrous fluorescent-whitener formulations for manufacture of detergents

in absence of water)

13863-31-5 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-CN hydroxyethyl) methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

— cн₂- он

RN .16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

L4

RN

CN

4193-55-9 CAPLUS

●2 Na

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

ANSWER 287 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN1996:708278 CAPLUS DN 125:322342 Method of determining β -glucan ΤI IN Izawa, Masayuki Sapporo Breweries Limited, Japan PA SO PCT Int. Appl., 23 pp. CODEN: PIXXD2 DTPatent LА Japanese FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO. DATE ------____ -----PΙ WO 9630756 A1 19961003 WO 1996-JP846 19960329 W: JP, US RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE EP 768529 **A**1 19970416 EP 1996-907710 19960329 DE, DK, ES, FR, GB, IT, LI, NL, SE R: AT, BE, CH, US 6008054 US 1996-737805 19961127 Α 19991228 PRAI JP 1995-94177 Α 19950329 JP 1995-351193 Α 19951227 WO 1996-JP846 W 19960329 IT 4193-55-9 RL: ARU (Analytical role, unclassified); ANST (Analytical study) (gel filtration column and flow injection method with calcofluor for determination of β -glucan in grain)

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-

hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium

salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 288 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1996:674048 CAPLUS

DN 125:303742

TI Manufacture of 4,4'-bis[(6-anilino-s-triazin-2-yl)amino]stilbene-2,2'-disulfonic acid derivatives as optical brighteners

IN Zwierzynski, Krzysztof; Tarwacki, Andrzej; Rudzinska, Benita; Higersberger, Ewa; Malasnicki, Wladyslaw L.; Maleska, Barbara; Kalinowski, Jan; Nowacki, Andrzej; Guzewska, Teresa

PA Instytut Przemyslu Organicznego, Pol.

SO Pol., 6 pp. CODEN: POXXA7

DT Patent

LA Polish

FAN.CNT 1

1111.											
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE						
PI	PL 164830	B1	19941031	PL 1990-288012	19901128						
PRAI	PL 1990-288012		19901128								
IT	4404-43-7P 16090-02-1P										
	RL: IMF (Industrial manufacture); PREP (Preparation)										
	(manufacture of bis[(anilino-s-triazinyl)amino]stilbenedisulfonic acid										

derivs. as optical brighteners) RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

— cн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 289 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1996:660755 CAPLUS

DN 125:279266

TI Bleaching laundry detergent compositions containing hydrogen peroxide-releasing agents, activators, and fluorescent agents with stable whiteness

IN Matsunaga, Satoshi; Isada, Junko; Mukoyama, Koji

PA Lion Corp, Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	JP 08218096	A2	19960827	JP 1995-53189	19950217	
PRAI	JP 1995-53189		19950217			
08	MADDAM 125.270266					

OS MARPAT 125:279266

IT 24019-80-5, Whitex SKC

RL: MOA (Modifier or additive use); USES (Uses)
(bleaching laundry detergent compns. containing hydrogen peroxide-releasing agents, activators, and fluorescent agents with stable whiteness)

RN 24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

IT 16090-02-1, Whitex SA

RL: MOA (Modifier or additive use); USES (Uses)
(fluorescent agents; bleaching laundry detergent compns. containing
hydrogen peroxide-releasing agents, activators, and fluorescent agents
with stable whiteness)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

NHPh SO3H SO3H NHPh NH N N

●2 Na

L4 ANSWER 290 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1996:623017 CAPLUS

DN 125:250378

10/519,031

TI Triazinylstilbene derivatives, their preparation and use

IN Reinehr, Dieter; Eckhardt, Claude; Hochberg, Robert; Kaufmann, Werner; Metzger, Georges

PA Ciba-Geigy AG, Switz.; Ciba Specialty Chemicals Holding Inc.

SO Eur. Pat. Appl., 21 pp. CODEN: EPXXDW

DT Patent

LA English

FAN CNT 1

FAN.	PATENT NO.				KIND DA		DATE	DATE		APPLICATION NO.			DATE	
ΡI	EP	72874	19			A2	-	1996	- 0828		 EP	1996-810086		19960213
	ΕP	72874	19			A3		1997	0226					
	ΕP	72874	19			В1		2003	0416					
		R:	BE,	CH,	DE,	ES,	FR,	GB,	IT,	LI,	NI			
	ES	21940	880			Т3		2003	1116		ES	1996-810086		19960213
	GB	22984	122			A1		1996	0904	(GB	1996-3289		19960216
	GB	22984	122			В2		1997	0129					
	ZA	96013	362			Α		1996	0822		ZΑ	1996-1362		19960221
	AU	96456	567			A1		1996	0829		AU	1996-45667		19960221
	ΑU	70288	36			B2		1999	0311					
	US	57445	599			Α		1998	0428	1	US	1996-604536		19960221
	JΡ	09003	3052			A2		1997	0107	1	JP	1996-34475		19960222
	BR	96007	793			Α		1997	1223		BR	1996-793		19960222
	US	60155	504			Α		2000	0118	1	US	1998-13657		19980126
PRAI	GB	1995-	-3474	1		Α		1995	0222					
	US	1996-	-6045	536		A3		1996	0221					
			~- 4											

OS MARPAT 125:250378

IT 182188-07-4P 182188-08-5P 182188-13-2P

182188-14-3P 182188-15-4P

RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PRP (Properties); PREP (Preparation); USES (Uses)

(preparation of triazinyl stilbene derivs. as UV absorbers and fluorescent brighteners)

RN 182188-07-4 CAPLUS

CN Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino(6-amino-1,3,5-triazine-4,2-diyl)imino]]bis-, 1,1'-diethyl ester, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

RN 182188-08-5 CAPLUS

CN Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[bis(2-hydroxypropyl)amino]-1,3,5-triazine-4,2-diyl]imino]]bis-, 1,1'-diethyl ester, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

RN 182188-13-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(4-acetylphenyl)amino]-6-[bis(2-hydroxyethyl)amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

RN 182188-14-3 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(4-acetylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

RN 182188-15-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-[[4-(aminocarbonyl)phenyl]amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$H_2N-C$$
 NH_2
 NH_2
 NH
 NH
 NH
 NH
 NH

2 Na

PAGE 1-B

- L4 ANSWER 291 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1996:586373 CAPLUS
- DN 125:256406
- TI Concerning the environmental fate of fluorescent whitening agents
- AU Kaschig, J.; Hochberg, R.; Zeller, M.
- CS Ciba-Geigy AG, Basel, Switz.
- SO World Surfactants Congress, 4th, Barcelona, June 3-7, 1996 (1996), Volume 3, 155-164 Publisher: Asociacion Espanola de Productores de Sustancias para Aplicaciones Tensioactivas, Barcelona, Spain. CODEN: 63KCAH
- DT Conference
- LA English
- IT 16090-02-1

RL: PEP (Physical, engineering or chemical process); PROC (Process) (environmental fate of fluorescent whitening agents)

RN 16090-02-1 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4ANSWER 292 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1996:574353 CAPLUS

DN 125:225150

Detergent compositions comprising bleaching agents and brighteners ΤI

Bettiol, Jean-Luc Philippe; France, Paul Amaat Raymond Gerard; Roberts, IN David John; Wilkinson, Carole Patricia Denise

PA Procter and Gamble Company, USA

Eur. Pat. Appl., 12 pp. SO CODEN: EPXXDW

Patent DT

LΑ English

FAN.CNT 1																		
	PA.	TENT	NO.			KINI	D	DATE			APP	LICAT	ION	NO.		D	ATE	
							-					-	- -					
PI	ΕP	7240	12			A 1		1996	0731		ΕP	1995-	3005	02		1	9950	127
		R:	ΑT,	BE,	CH,	DE,	DK,	, ES,	FR,	GB,	GR	, IE,	IT,	LI,	LU,	NL,	PT,	SE
	JP	0902	0899			A2		1997	0121		JΡ	1996-	1155	1		1:	9960	126
PRAI	ΕP	1995	-300	502		Α		1995	0127									
IT	419	93-55	-9 10	6090·	-02-	1												•
	ъ.	m = 1 4			-				•		-		***	~ /**				

RL: TEM (Technical or engineered material use); USES (Uses) (detergent compns. comprising bleaching agents and brighteners)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

PAGE 1-B

— cн₂— он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

L4 ANSWER 293 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1996:567627 CAPLUS

DN 125:250256

TI Skin protection against ultraviolet light by cotton textiles treated with optical brighteners

AU Reinehr, D.; Eckhardt, C.; Kaufmann, W.

CS Ciba-Geigy Limited, Grenzach-Wyhlen, 27630, Germany

SO World Surfactants Congress, 4th, Barcelona, June 3-7, 1996 (1996), Volume 1, 264-276 Publisher: Asociacion Espanola de Productores de Sustancias para Aplicaciones Tensioactivas, Barcelona, Spain.

CODEN: 63KCAH

DT Conference

LA English

IT 182223-62-7

RL: MOA (Modifier or additive use); USES (Uses) (sun-protective optical brightener; skin protection against UV light by cotton textiles treated with optical brighteners)

RN 182223-62-7 CAPLUS

CN Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino(6-amino-1,3,5-triazine-4,2-diyl)imino]]bis-, 1,1'-diethyl ester, disodium salt, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

PAGE 1-A

PAGE 1-B

DATE

19941202

____NH2

2 Na

```
ANSWER 294 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
AN
     1996:550826 CAPLUS
DN
     125:171563
ΤI
     Bleaching laundry detergent compositions containing hydrogen
     peroxide-releasing agents and fluorescent agents
     Matsunaga, Satoshi; Myamae, Yoshitaka; Mukoyama, Koji
Lion Corp, Japan
Jpn. Kokai Tokkyo Koho, 6 pp.
IN
PA
SO
     CODEN: JKXXAF
DT
     Patent
LΑ
     Japanese
FAN.CNT 1
     PATENT NO.
                                    DATE
                                                  APPLICATION NO.
                            KIND
```

A2

19960618

19941202

JP 1994-329539

PRAI JP 1994-329539 OS MARPAT 125:171563 IT 16090-02-1, Whitex sa

JP 08157877

PΙ

10/519,031

RL: MOA (Modifier or additive use); USES (Uses) (fluorescent agents; laundry bleaching detergents containing hydrogen peroxide-releasing agents and fluorescent agents showing good storage stability)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 295 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1996:390236 CAPLUS

DN 125:89386

TI Photofading behavior of triazinylaminostilbene fluorescent brightener in cellophane

AU Ikuno, H.; Okuni, M.; Komaki, M.; Nakajima, T.

CS Dep. Home Economics, Fac. Education, Tokyo Gakugei Univ., Tokyo, 112, Japan

SO Textile Research Journal (1996), 66(7), 464-470 CODEN: TRJOA9; ISSN: 0040-5175

PB Textile Research Institute

DT Journal

LA English

IT 17958-73-5, C.I. Fluorescent Brightener 85

RL: PRP (Properties)

(photochem. fading behavior of triazinylaminostilbene fluorescent brighteners in cellophane)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

NH-СH2-СH2-ОН

NAME)

```
ANSWER 296 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
T.4
AN
     1996:379877 CAPLUS
DN
     125:36368
     Nonaqueous bleach-containing liquid detergent compositions
ΤI
     Kong-Chan, Josephine Ling; Hunter, Kathleen Brenner
IN
     Procter and Gamble Company, USA
PA
SO
     PCT Int. Appl., 28 pp.
     CODEN: PIXXD2
DT
     Patent
LΑ
     English
FAN.CNT 1
     PATENT NO.
                         KIND
                                DATE
                                             APPLICATION NO.
                                                                     DATE
     _____
PΙ
     WO 9610073
                          A1
                                19960404
                                             WO 1995-US11257
                                                                     19950908
         W: AU, BR, CA, CN, JP, KR, MX, VN
         RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
     CA 2199817
                                19960404
                                             CA 1995-2199817
                                                                     19950908
                          AA
     CA 2199817
                          С
                                20000725
                                19960419 ·
                                             AU 1995-34642
                                                                     19950908
     AU 9534642
                          A1
                                             EP 1995-931068
                                                                     19950908
     EP 783563
                          A1
                                19970716
     EP 783563
                                20000126
                          В1
         R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE
     CN 1166856
                          Α
                                19971203
                                             CN 1995-196443
                                                                     19950908
     BR 9509082
                          Α
                                19980623
                                             BR 1995-9082
                                                                     19950908
     JP 10506931
                          Т2
                                19980707
                                             JP 1995-511779
                                                                     19950908
     US 5872092
                                19990216
                                             US 1997-878458
                                                                     19970618
                          Α
PRAI US 1994-313522
                          Α
                                19940926
     WO 1995-US11257
                                19950908
os
     MARPAT 125:36368
IT
     16090-02-1, Tinopal AMS
     RL: TEM (Technical or engineered material use); USES (Uses)
        (fluorescent whitening agents, Tinopal AMS; nonaq. bleach-containing liquid
        detergent compns.)
RN
     16090-02-1 CAPLUS
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-
CN
```

(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX

L4 ANSWER 297 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1996:376868 CAPLUS

DN 125:36346

TI Laundry detergent compositions with improved whitening effect

IN Yamada, Isao; Takeshige, Juichi

PA Kao Corp, Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	01.1 1			• •				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE			
ΡI	JP 08073889	A2	19960319	JP 1994-216172	19940909			
	JP 2960310	B2	19991006					
PRAI	JP 1994-216172		19940909					

IT 24231-46-7

RL: MOA (Modifier or additive use); USES (Uses) (fluorescent dyes; laundry detergent compns. with improved whitening

effect)
RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

- L4 ANSWER 298 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1996:321123 CAPLUS
- DN 124:352034
- TI Degradation of Fluorescent Whitening Agents in Sunlit Natural Waters
- AU Kramer, Johannes B.; Canonica, Silvio; Hoigne, Juerg; Kaschig, Juergen
- CS Swiss Federal Institute for Environmental Science and Technology, Duebendorf, CH-8600, Switz.
- SO Environmental Science and Technology (1996), 30(7), 2227-2234 CODEN: ESTHAG; ISSN: 0013-936X
- PB American Chemical Society
- DT Journal
- LA English
- IT 24231-46-7

RL: PEP (Physical, engineering or chemical process); POL (Pollutant); OCCU (Occurrence); PROC (Process)

(degradation of fluorescent whitening agents in sunlit natural waters)

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 299 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1996:195884 CAPLUS

DN 124:299776

TI Electro-fluorescence studies of the binding of fluorescent dyes to sepiolite

AU Windsor, S. A.; Harrison, N. J.; Tinker, M. H.

CS Optics group, J. J. Thomson Physical Laboratory, Reading, RG6 6AF, UK

SO Clay Minerals (1996), 31(1), 81-94 CODEN: CLMIAF; ISSN: 0009-8558

PB Mineralogical Society

DT Journal

LA English

IT 4193-55-9, Fluorescent Brightener 28 56776-30-8

RL: PRP (Properties)

(binding modes of adsorbed dye on sepiolite from electrofluorescence study)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

RN 56776-30-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1E)-1,2-ethenediylbis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

10/519,031

Double bond geometry as shown.

●2 Na

L4 ANSWER 300 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1996:182870 CAPLUS

DN 124:292125

TI Effect of fluorescent brighteners on the pastel shade dyed fabrics

AU Yamaguchi, Yoko; Nagayama, Masuzo

CS Japan

SO Kyoritsu Joshi Tanki Daigaku Seikatsu Kagakuka Kiyo (1995), 38, 15-20 CODEN: KTKIEH; ISSN: 0917-2300

PB Kyoritsu Joshi Tanki Daigaku

DT Journal

LA Japanese

IT 24019-80-5, C.I. Fluorescent brightener 225
RL: PRP (Properties); TEM (Technical or engineered material use); USES
(Uses)

(fluorescent brightener effects on pastel shade dyed cotton fabrics)

RN 24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)



L4 ANSWER 301 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1996:158419 CAPLUS

DN 124:253290

TI Effect of some UV light absorbers on the photostabilization of azadirachtin, a neem-based biopesticide

AU Sundaram, K. M. S.; Curry, J.

CS Natural Resources Canada, Canadian Forest Serv., Sault Ste. Marie, ON, P6A 5M7, Can.

SO Chemosphere (1996), 32(4), 649-59 CODEN: CMSHAF; ISSN: 0045-6535

PB Elsevier

DT Journal

LA English

IT 4193-55-9, Fluorescent brightener-28

RL: NUU (Other use, unclassified); USES (Uses)

(UV light absorbers effect on photostabilization of azadirachtin, neem-based biopesticide)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 302 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1996:135590 CAPLUS

DN 124:263261

TI Convenient photometric quantitative analysis of fluorescent brightening agent adsorbed on fabrics and films

10/519,031

AU Yoshimua, Y.; Murata, N.; Sawada, K.; Ueda, M.

CS Org. Chem. Dep., Osaka Municipal Technical Res. Inst., Osaka, 536, Japan

SO Sen'i Gakkaishi (1996), 52(1), 32-6

CODEN: SENGA5; ISSN: 0037-9875

PB Sen'i Gakkai

DT Journal

LA Japanese

IT 16090-02-1 17958-73-5, C.I. Fluorescent Brightener 85

RL: ANT (Analyte); TEM (Technical or engineered material use); ANST

(Analytical study); USES (Uses)

(convenient photometric quant. anal. of fluorescent brightening agent adsorbed on fabrics and films)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-mcrpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

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L4 ANSWER 303 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN AN 1996:126585 CAPLUS
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DN 124:149266

TI laundry detergent composition

IN Moss, Michael Alan John; Thoen, Christiaan Arthur Jacques Kamiel

PA Procter and Gamble Co., USA

SO Brit. UK Pat. Appl., 29 pp. CODEN: BAXXDU

DT Patent

LA English

FAN.CNT 1

LIMIT A																			
	PATENT NO.					KIN	D	DATE		7	APP	LIC	AT]	ON 1	10.		D	ATE	
ΡI	GB	2287	 949			A1	-	1995	1004	-	GB	199	4-6	5543			19	9940	331
	IN	1906	16			Α		2003	0809	3	IN	199	4-1	E163	35		19	9941	219
	CA 2184362			AA		19951012 CA			CA 1995-2184362					19950301					
	WO 9527028				A 1		1995	1012	V	ΝO	199	15-t	JS269	99		19	9950	301	
		W:	CA,	CN,	JP,	US,	VN										•		
		RW:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR	₹, I	E,	IT,	LU,	MC,	NL,	PT,	SE
	EP	7530	43			A1		1997	0115	F	EΡ	199	5-9	1397	73		19	9950	301
		R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR	₹, I	Ε,	IT,	LI,	LU,	NL,	PT,	SE
	CN	1145	092			Α		1997	0312	(CN	199	5-1	.9236	65		19	9950	301
	JP	0951	1270			Т2		1997	1111	j	JP	199	5-5	2569	92		19	9950	301
	US	5935	922			Α		1999	0810	τ	JS	199	6-7	0266	56		19	9960	906
PRAI	GB	1994	-654	3		Α		1994	0331										
	WO	1995	-US2	699		W		1995	0301										

IT 4193-55-9 16090-02-1

RL: TEM (Technical or engineered material use); USES (Uses) (laundry detergent composition)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 304 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1996:110910 CAPLUS

DN 124:155156

TI An assessment of the potential adverse properties of fluorescent tracer dyes used for groundwater tracing

AU Field, Malcolm S.; Wilhelm, Ronald G.; Quinlan, James F.; Aley, Thomas J.

CS National Center for Environmental Assessment, U.S. Environmental Protection Agency, Washington, DC, 20460, USA

SO Environmental Monitoring and Assessment (1995), 38(1), 75-96 CODEN: EMASDH; ISSN: 0167-6369

PB Kluwer

DT Journal

LA English IT 4404-43

4404-43-7
RL: ADV (Adverse effect, including toxicity); POL (Pollutant); BIOL (Biological study); OCCU (Occurrence)

(potential ecotoxicity and health hazard of fluorescent tracer dyes used for groundwater tracing)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

- сн₂- он

ANSWER 305 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

1996:82927 CAPLUS AN

124:149289 DN

Manufacture of granular nonionic detergent compositions containing fluorescent brighteners for laundering fabrics

Ootani, Masahiko; Fukutome, Shinichi; Abe, Seiji IN

PA

Lion Corp, Japan Jpn. Kokai Tokkyo Koho, 5 pp. SO

CODEN: JKXXAF

DΤ Patent

LΑ Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	JP 07286198	A2	19951031	JP 1994-101892	19940415	
PRAT	JP 1994-101892		19940415			

IT 24019-80-5, Whitex SKC

RL: MOA (Modifier or additive use); USES (Uses)

(fluorescent brightener; manufacture of granular nonionic laundering detergent compns. containing)

RN 24019-80-5 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-CN methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na



- L4 ANSWER 306 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1996:43779 CAPLUS
- DN 124:139817
- TI Effects of pH, temperature, and ultraviolet radiation on the activity of an optical brightener as a viral enhancer for the gypsy moth (Lepidoptera: Lymantriidae) baculovirus
- AU Shapiro, Martin; Argauer, Robert
- CS Beltsville Agriculture Research Center, Beltsville, MD, 20705, USA
- SO Journal of Economic Entomology (1995), 88(6), 1602-6 CODEN: JEENAI; ISSN: 0022-0493
- PB Entomological Society of America
- DT Journal
- LA English
- IT 4193-55-9, Tinopal LPW

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(pH, temperature, and UV radiation effect optical brightener activity as viral enhancer for gypsy moth (Lepidoptera: Lymantriidae) baculovirus)

- RN 4193-55-9 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

- L4 ANSWER 307 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1996:28210 CAPLUS
- DN 124:50210
- TI Fluorescent dyes for detecting algae cyst
- IN Yamaguchi, Mineo
- PA Suisancho Nansei Kaiku Suisan, Japan
- SO Jpn. Kokai Tokkyo Koho, 5 pp. CODEN: JKXXAF
- DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
ΡI	JP 07265096	A2	19951017	JP 1994-61653	19940330	
	JP 2807775	В2	19981008			
PRAI	JP 1994-61653		19940330			

IT 4193-55-9, Calcofluor white M2R

RL: ARG (Analytical reagent use); BUU (Biological use, unclassified); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(fluorescent dyes for detecting algae cyst in sample or ocean floor dirt)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

•2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 308 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:1000079 CAPLUS

DN 124:120125

TI Simple procedure for the manufacture of liquid fluorescent indicator

IN Kroupa, Jaroslav; Matous, Vladimir; Podstata, Jiri

PA Vyzkumny Ustav Organickych Syntez A.S., Czech Rep.

SO Czech Rep., 5 pp.

CODEN: CZXXED

DT Patent

LA Czech

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
					-
PI	CZ 279731	В6	19950614	CZ 1990-343	19900125
PRAI	CZ 1990-343		19900125		

IT 16090-02-1, Rylux D

RL: MOA (Modifier or additive use); USES (Uses)

(fluorescent indicator solution containing; simple procedure for the manufacture of

liquid fluorescent indicator)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 309 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:998022 CAPLUS

DN 124:120048

TI Textile finishing for sun protection, and fabric care compositions

IN Reinehr, Dieter; Eckhardt, Claude; Kaufmann, Werner; Fankhauser, Peter; Hilfiker, Rolf

PA Ciba-Geigy A.-G., Switz.

SO Eur. Pat. Appl., 60 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.		TENT NO.			KINI)	DATE	AP	PLICATION NO.	DATE
PI		682145			A2	-	19951115	EP	1995-810288	 19950503
		682145			A 3		19980826			
	ΕP	682145			В1		20040825			
			CH,	DE,		FR,	, GB, IT,			
		2289290			A1		19951115		1995-9010	19950503
		2289474			A1		19951122		1995-8999	19950503
		682145			Т		20050131		1995-810288	19950503
•		2225833			Т3		20050316		1995-810288	19950503
		2149103			AA		19951113		1995-2149103	19950510
		5800862			Α		19980901		1995-438590	19950510
		6117189			Α		20000912		1995-438591	19950510
		9503826			Α		19951113		1995-3826	19950511
		9503827			Α		19951113		1995-3827	19950511
		9520003			A 1		19951123	AU	1995-20003	19950511
		689238			В2		19980326			
		9520005			A1		19951123	AU	1995-20005	19950511
		685926			В2		19980129			
		9502017			Α		19951212		1995-2017	19950511
	BR	9502015	•		Α		19960305		1995-2015	19950511
	JP	07310094			A2		19951128	JP	1995-113494	19950512
	JP	07310095			A2		19951128	JP	1995-113495	19950512
	GB	2290803			A1		19960110		1995-12181	19950615
	AU	9521827			A1		19960118	·AU	1995-21827	19950621
	ΑU	699317			B2		19981203			•
	ZΑ	9505170			Α		19960102	ZA	1995-5170	19950622
	BR	9502895			Α		19970805	BR	1995-2895	19950622
	JP	08013327			A2		19960116	JP	1995-157770	19950623

	US 5688758	Α	19971118	US	1996-662091	19960612
	JP 2004068246	A2	20040304	JΡ	2003-364173	20031024
PRAI	GB 1994-9465	Α	19940512			
	GB 1994-9466	Α	19940512			
	GB 1994-13270	Α	19940701		•	
	US 1995-471043	B1	19950606			
	JP 1995-157770	A3	19950623			
os	MARPAT 124:120048					•
IT	13863-31-5 16090-02-	1 3190	0-04-6			
	RL: TEM (Technical of	r engi	neered mater:	ial	use); USES (Uses)	
	(fluorescent white	ener, d	detergent con	npor	nent; textile finish	ing for sun
	protection)					
RN	13863-31-5 CAPLUS					
CN	Benzenesulfonic acid	, 2,2'-	-(1,2-ethened	diy]	l)bis[5-[[4-[(2-	
	hydroxyethyl \methylar	minol-	6-(nhenylami)	no) -	-1 3 5-triazin-2-vlla	aminol

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-,
disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

2 Na

PAGE 1-B

— cн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

IT 4193-55-9

RL: TEM (Technical or engineered material use); USES (Uses) (fluorescent whitener; textile finishing for sun protection)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

— cн₂- он

L4 ANSWER 310 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:982380 CAPLUS

DN 124:7555

TI Method for fluorometric flow-injection determination of $\beta\text{-}(1,3)\,(1,4)\,\text{-D-glucan}$ in beer, worts, and similar samples, by using Calcofluor

IN Izawa, Masayuki

PA Sapporo Breweries Ltd., Japan

SO Ger. Offen., 8 pp. CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 19508028	A1	19951005	DE 1995-19508028	19950307
DE 19508028	C2	19990722		
JP 07248297	A2	19950926	JP 1994-65423	19940310
. US 5585274	Α	19961217	US 1995-394287	19950224
PRAI JP 1994-65423	Α	19940310		
TM 4100 FF 0				

IT 4193-55-9

RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses) (fluorometric flow-injection determination of glucan in beer, worts, and similar samples, by using Calcofluor)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

— сн₂- он

L4 ANSWER 311 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:963536 CAPLUS

DN 123:344256

TI Highly efficient detergents and production methods thereof

IN Feng, Qiwen; Zhong, Jiawei

PA Deli Engineering Technology Co., Ltd., Shanghai, Peop. Rep. China

SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 6 pp. CODEN: CNXXEV

DT Patent

LA Chinese

FAN. CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
PI CN 1093744	Α	19941019	CN 1993-112405	19930415		
PRAT CN 1993-112405		19930415				

IT 16090-02-1

RL: MOA (Modifier or additive use); USES (Uses)

(detergents containing fluorescent brighteners and surfactants)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 312 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:938119 CAPLUS

DN 123:317548

TI Detergent compositions and process for preparing them

IN Boskamp, Jelles Vincent; Bundy, Timothy Richard; Coruzzi, Marilena; Farnworth, Pauline; Houghton, Mark Phillip; Joyeux, Christophe; Knight, Peter Cory; Naddeo, Leandre; Sanderson, Alistair Richard

PA Unilever PLC, UK; Unilever N. V.

SO PCT Int. Appl., 38 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

```
PΙ
                                    19950601
     WO 9514766
                             A1
                                                  WO 1994-EP3612
                                                                             19941102
              AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA,
               UZ, VN
          RW: KE, MW, SD, SZ, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU,
              MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN,
               TD, TG
     AU 9481058
                             Α1
                                    19950613
                                                  AU 1994-81058
                                                                             19941102
     AU 699010
                             B2
                                    19981119
     EP 730637
                             A1
                                    19960911
                                                  EP 1995-900108
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     EP 730637
                             B1
                                    19980121
     EP 730637
                             B2
                                    20010523
              CH, DE, ES, FR, GB, IT, LI, NL, SE
          R:
     JP 09505348
                                    19970527
                                                  JP 1994-514776
                             T2
                                                                             19941102
     BR 9408136
                                    19970805
                                                  BR 1994-8136
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     ES 2112624
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                                    19980401
                                                  ES 1995-900108
                                                                             19941102
     ни 77855
                             A2
                                    19980828
                                                  HU 1996-1421
                                                                             19941102
     ZA 9408723
                             Α
                                    19960506
                                                  ZA 1994-8723
                                                                             19941104
     US 5723428
                             Α
                                    19980303
                                                  US 1996-643086
                                                                             19960502
PRAI GB 1993-24129
                             Α
                                    19931124
     WO 1994-EP3612
                             W
                                    19941102
   · US 1994-340911
                             B1
                                    19941117
     16090-02-1, Tinopal DMS-X
     RL: MOA (Modifier or additive use); NUU (Other use, unclassified); USES
     (Uses)
         (fluorescer; particulate detergent compns. and process for preparing them)
RN
     16090-02-1 CAPLUS
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-
CN
     (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX
```

●2 Na

- L4 ANSWER 313 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1995:937459 CAPLUS
- DN 124:105181

NAME)

- TI Polarographic and voltammetric determination of 4,4'-bis[(4-phenylamino-6-morpholino-1,3,5-triazin-2-yl)amino]stilbene-2,2'-disulfonic acid
- AU Barek, Jiri; Hrncir, Roman; Moreira, Josino C.; Zima, Jiri
- CS Department Analytical Chemistry, Charles University, Prague, 128 40, Czech Rep.
- SO Collection of Czechoslovak Chemical Communications (1995), 60(8), 1247-60 CODEN: CCCCAK; ISSN: 0010-0765
- PB Institute of Organic Chemistry and Biochemistry, Academy of Sciences of the Czech Republic
- DT Journal ·
- LA English
- IT 16090-02-1

L4

CN

RL: ANT (Analyte); PRP (Properties); TEM (Technical or engineered material use); ANST (Analytical study); USES (Uses)

(polarog. and voltammetric determination of

bis[(phenylaminomorpholinotriazinyl

)amino|stilbenedisulfonic acid)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

ANSWER 314 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

```
AN
     1995:896246 CAPLUS
DN
     123:290536
     Laundry detergent compositions with dye-transfer inhibition effect
TI
     Panandiker, Rajan Keshav; Wertz, William Conrad; Hugues, Larry James
IN
     Procter and Gamble Co., USA
PA
SO
     PCT Int. Appl., 26 pp.
     CODEN: PIXXD2
DT
     Patent
LA
     English
FAN.CNT 1
                                             APPLICATION NO.
                                                                     DATE
     PATENT NO.
                         KIND
                                 DATE
                                 19950518
                                             WO 1994-US11509
                                                                     19941011
PΙ
     WO 9513354
                          A1
             AM, AU, BB, BG, BR, BY, CA, CH, CN, CZ, EE, FI, GE, HU, JP, KG,
             KP, KR, KZ, LK, LR, LT, LV, MD, MG, MN, NO, NZ, PL, RO, RU, SI,
             SK, TJ, TT, UA, UZ, VN
         RW: KE, MW, SD, SZ, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU,
             MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN,
             TD, TG
                                             US 1993-150644
     US 5466802
                          Α
                                 19951114
                                                                     19931110
     CA 2174722
                          AA
                                 19950518
                                             CA 1994-2174722
                                                                     19941011
                                             AU 1994-79319
     AU 9479319
                          A1
                                 19950529
                                                                     19941011
                                             EP 1994-930090
     EP 728184
                                 19960828
                                                                     19941011
                          A1
         R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE
                                 19961217
                                             BR 1994-8024
     BR 9408024
                          Α
                                                                     19941011
                                            ·CN 1994-194711
     CN 1139954
                          Α
                                 19970108
                                                                     19941011
     JP 09505096
                          T2
                                 19970520
                                             JP 1994-513823
                                                                     19941011
PRAI US 1993-150644
                                 19931110
                          Α
                                 19941011
                          W
     WO 1994-US11509
     MARPAT 123:290536
os
     4193-55-9, Tinopal UNPA-GX 169762-28-1, Tinopal 5BM-GX
IT
     RL: MOA (Modifier or additive use); POF (Polymer in formulation); TEM
     (Technical or engineered material use); USES (Uses)
        (laundry detergent compns. with dye-transfer inhibition effect)
     4193-55-9 CAPLUS
RN
```

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-

hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

•2 Na

PAGE 1-B

— cн₂- он

RN 169762-28-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(aminomethyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$H_2N-CH_2$$
 H_2N-CH_2
 H_2N

•2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 315 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN AN 1995:869489 CAPLUS

10/519,031

DN 123:260200

TI Filler and coating composition for paper

IN Naumann, Dieter; Hoehener, Alfred

PA Ciba-Geigy A.-G., Switz.

SO Brit. UK Pat. Appl., 30 pp.

CODEN: BAXXDU

DT Patent

LA English

FAN.CNT 1

L'MIN.	CIAI I											
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE							
PI	GB 2284829	A1	19950621	GB 1994-18957	19940921							
PRAI	GB 1993-25642	Α	19931215									
	GB 1993-26506	Α	19931229									
os	MARPAT 123:260200											
IT	4193-55-9 13863-31-5 16090-02-1											
	31900-04-6											
	RL: TEM (Technical or engineered material use); USES (Uses)											
	(fluorescent whitener; filler and coating composition for paper)											

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

— cн₂- он

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

— cн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

ANSWER 316 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:701766 CAPLUS
DN 123:86050
TI Ink jet printing on cloth
IN Haruta, Mashiro; Koike, Shoji; Shirota, Koromo; Yamamoto, Tomoya; Suzuki, Mariko; Suzuki, Mariko C. O. Canon K. K.
PA Canon K. K., Japan
SO Eur. Pat. Appl., 20 pp.
CODEN: EPXXDW
DT Patent

LA English

FAN.CNT 1

L4

	PATENT NO.			KIND		DATE		A	APPLICATION NO.						DATE			
PI	EP	631006			A1	_	1994	1228	E	P 1	L994-	 1097	90		19	99406	624	
	EΡ	631006			В1		1998	0114										
		R: AT,	BE,	CH,	DE,	DK,	, ES,	FR,	GB,	GR,	IE,	ΙT,	LI,	LU,	NL,	PT,	SE	
	JΡ	07026473	3		A2		1995	0127	J	P 1	1993-	1553	06		19	99306	625	
	JP	2942099			В2		1999	0830										
	JР	07026474	l		A2		1995	0127	J	P 1	1993-	1553	17		19	9306	625	
	ΑT	162241			E		1998	0115	A	т 1	L994-	1097	90		19	99406	524	
	ES	2111802			Т3		1998	0316	E	S 1	L994-	1097	90		19	99406	524	
	US	5922625			Α		1999	0713	U	S 1	L995-	5756	76		19	9512	219	
PRAI	JP	1993-155	306		Α		1993	0625										
	JP	1993-155	317		Α		1993	0625										
	US	1994-263	678		А3		1994	0622										

IT 17958-73-5, C.I. Fluorescent Brightener 85 24019-80-5,

C.I. Fluorescent Brightener 225

RL: NUU (Other use, unclassified); USES (Uses) (blocking agent; ink jet printing on cloth)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

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RN 24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

L4 ANSWER 317 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:685182 CAPLUS

DN 123:86625

TI Characterization of brighteners in detergents by high-performance liquid

chromatography/mass spectrometry/ultraviolet/fluorescence and three-dimensional high-performance liquid chromatography

AU Ogura, I.; DuVal, D. L.; Miyajima, K.

CS Procter and Gamble Far East, Inc., Kobe, 658, Japan

SO Journal of the American Oil Chemists' Society (1995), 72(7), 827-33 CODEN: JAOCA7; ISSN: 0003-021X

PB AOCS Press

DT Journal

LA English

IT 24231-46-7P 52435-15-1P 52846-58-9P
RL: ANT (Analyte); PRP (Properties); PUR (Purification or recovery); REM (Removal or disposal); ANST (Analytical study); PREP (Preparation); PROC

(Removal of disposal); ANST (Analytical study); PREP (Preparation); PROC (Process)

(Characterization of brighteners in detergents by high-performance liquid

chromatog./mass spectrometry/UV/fluorescence and three-dimensional high-performance liquid chromatog.)

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 52435-15-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

— cн₂- он

RN 52846-58-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-methoxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

 \sim NH- (CH₂)₃-OMe

L4 ANSWER 318 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:638688 CAPLUS

DN 123:100447

TI Electroless plating of copper on substrates

IN Olson, Larry D.

PA Allied-Signal, Inc., USA

SO U.S., 4 pp. Cont.-in-part of U.S. 5,292,557. CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

RN

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE			
PI	US 5418064	Α	19950523 .	US 1993-168005	19931215			
PRAI	US 1993-168005	A2	19931215					
	US 1992-976866		19921116					
IT	66085-71-0							
	RL: PEP (Physical, engineering or chemical process); PROC (Process)							
	(fluorescent bri	ghtener	; electroles	s plating of copper on	substrates			

treated with) 66085-71-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-amino-3-oxopropyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-(9CI) (CA INDEX NAME)

____NHPh

L4 ANSWER 319 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:446803 CAPLUS

DN 122:191078

TI Manufacture of surfactant powder compositions with high surfactant concentration and improved color

IN Inotsuka, Takashi; Ide, Yasuhiko; Ishikawa, Tsutomu

PA Lion Corp, Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp. CODEN: JKXXAF

DT Patent

LA Japanese

FAN. CNT 1

PATENT NO.		KIND	DATE	APPLICATION NO.	DATE		
PI	JP 07011299 JP 3429030	A2 B2	19950113 20030722	JP 1993-184400	19930628		
PRAI IT	JP 1993-184400 24019-80-5		19930628				

RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)

(manufacture of surfactant powder compns. with high surfactant concentration and

improved color)

RN 24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B



L4 ANSWER 320 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:392396 CAPLUS

DN 123:59035

TI Pigment compositions and coatings thereof

IN Horie, Junichiro; Takei, Toshio

PA Dainippon Ink & Chemicals, Japan

SO Jpn. Kokai Tokkyo Koho, 8 pp. CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
PI	JP 06336557	A2	19941206	JP 1993-127005	19930528		
PRAI	JP 1993-127005		19930528				

IT 164652-75-9P 164652-76-0P

RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PRP (Properties); PREP (Preparation); USES (Uses)

(glossy coatings containing compns. with dispersibility and fluidity containing

pigments, N,N'-di-substituted-diaminostilbenzenesulfonic acid salts, and resin-type pigment dispersing agents)

RN 164652-75-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, aluminum salt (9CI) (CA INDEX NAME)

●x Al

PAGE 1-B

∠ NH− CH2− CH2− OH

RN 164652-76-0 CAPLUS

CN 1-Hexadecanaminium, N,N,N-trimethyl-, salt with 2,2'-(1,2-ethenediyl)bis[5-[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzenesulfonic acid] (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 82574-70-7 CMF C36 H34 N12 O8 S2

PAGE 1-A

PAGE 1-B

 \sim NH-CH₂-CH₂-OH

CM 2

CRN 6899-10-1 CMF C19 H42 N

 $Me_3^+N^-$ (CH₂)₁₅-Me

L4 ANSWER 321 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN AN 1995:385958 CAPLUS

10/519,031

DN 122:136198

TI Fluorescently brightened organic pigments, their preparation and use

IN Renner, Alfred

PA Ciba-Geigy A.-G., Switz.

SO Ger. Offen., 13 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATÉ					
		-							
PI DE 4401471	A1	19940728	DE 1994-4401471	19940119					
PRAT CH 1993-184	A	19930122							

OS MARPAT 122:136198

IT 4193-55-9 16090-02-1

RL: MOA (Modifier or additive use); USES (Uses) (fluorescently brightened organic pigments)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

•2 Na

PAGE 1-B

— cн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

CN

INDEX NAME)

●2 Na

L4ANSWER 322 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN AN 1995:302898 CAPLUS DN 122:58882 ΤI Nonionic powder detergent compositions Nehashi, Tsutomu; Myashiki, Keiko; Takizawa, Shuichi; Tsumadori, Masaki IN PA Kao Corp, Japan SO Jpn. Kokai Tokkyo Koho, 11 pp. CODEN: JKXXAF DTPatent Japanese LΑ FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO. DATE _____ ____ _____ _____ PΙ JP 06264099 A2 19940920 JP 1993-52242 19930312 JP 2758548 B2 19980528 PRAI JP 1993-52242 19930312 4404-43-7 16090-02-1, Whitex SA 21162-88-9 IT 31449-69-1 34372-32-2 35632-99-6 52435-15-1 RL: TEM (Technical or engineered material use); USES (Uses) (fluorescent brightener; nonionic powder detergent compns.) RN 4404-43-7 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-

hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI)

(CA

— сн₂— он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 21162-88-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 31449-69-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

∠ NH - CH₂ - CH₂ - OH

RN 34372-32-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 52435-15-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

— cн₂— он

L4

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1995:285567 CAPLUS
ΑN
DN
     122:68179
ΤI
     color image formation
IN
     Ishikawa, Masao; Shibuya, Masahiro
PA
     Konishiroku Photo Ind, Japan
     Jpn. Kokai Tokkyo Koho, 28 pp.
     CODEN: JKXXAF
DT
     Patent
LA
     Japanese
FAN.CNT 1
     PATENT NO.
                          KIND
                                              APPLICATION NO.
                                                                      DATE
                                 DATE
     JP 06123949
                           A2
PI
                                 19940506
                                                                      19921012
                                              JP 1992-273005
PRAI JP 1992-273005
                                 19921012
IT
     4193-55-9
     RL: TEM (Technical or engineered material use); USES (Uses)
     (photog. paper supports containing) 4193-55-9 CAPLUS
RN
CN
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-
     hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium
```

ANSWER 323 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

-- cн₂-- он

L4 ANSWER 324 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:253028 CAPLUS

DN 122:58496

TI Induced circular dichroism study of the aqueous solution complexation of cello-oligosaccharides and related polysaccharides with aromatic dyes

AU Engle, Allan R.; Purdie, Neil; Hyatt, John A.

CS Chemistry Department, Oklahoma State University, Stillwater, OK, 74078-0447, USA

SO Carbohydrate Research (1994), 265(2), 181-95 CODEN: CRBRAT; ISSN: 0008-6215

PB Elsevier

DT Journal

LA English

IT 4193-55-9, Calcofluor White ST

RL: RCT (Reactant); RACT (Reactant or reagent)
(induced CD study of aqueous solution complexation of cello-oligosaccharides with aromatic dyes)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

— cн₂- он

RN

CN

54822-17-2 CAPLUS

```
ANSWER 325 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
     1995:210335 CAPLUS
AN
     122:163389
DN
     Storage-stable formulation of mixtures of optical brighteners.
TI
IN
     Zelger, Josef
PA
     Ciba-Geigy A.-G., Switz.
so
     Eur. Pat. Appl., 9 pp.
     CODEN: EPXXDW
DT.
     Patent
LА
     German
FAN.CNT 1
     PATENT NO.
                          KIND
                                 DATE
                                              APPLICATION NO.
                                                                      DATE
PΙ
     EP 604366
                           A1
                                 19940629
                                              EP 1993-810877
                                                                      19931214
     EP 604366
                           В1
                                 20010829
         R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL
     CH 686959
                                 19960815
                                              CH 1992-3940
                                                                      19921222
                           Α
                                                                      19931214
     AT 204931
                           Ε
                                 20010915
                                              AT 1993-810877
                                              ES 1993-810877
                                                                      19931214
     ES 2161709
                           Т3
                                 20011216
                                              US 1993-168014
     US 5429767
                           Α
                                 19950704
                                                                      19931215
     CA 2111915
                           AΑ
                                 19940623
                                              CA 1993-2111915
                                                                      19931220
     BR 9305181
                                 19940628
                                              BR 1993-5181
                                                                      19931221
                           Α
     JP 06220353
                           A2
                                 19940809
                                              JP 1993-323015
                                                                      19931222
     JP 3542624
                           B2
                                 20040714
PRAI CH 1992-3940
                                 19921222
                           Α
os
     MARPAT 122:163389
IT
     54822-17-2D, alkali metal salts
     RL: NUU (Other use, unclassified); USES (Uses)
        (storage-stable formulation of mixts.)
```

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(ethylamino)-6-

(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA:INDEX NAME)

L4 ANSWER 326 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:53685 CAPLUS

DN 122:217177

TI Fluorescent whitening agents for detergents: how to fulfil severe stability requirements

AU Kaschiq, Juergen; Eckhardt, Claude

CS Ciba-Geigy Limited, Basel, CH-4002, Switz.

SO Comunicaciones presentadas a las Jornadas del Comite Espanol de la Detergencia (1994), 25, 109-21 CODEN: CJCDD7; ISSN: 0212-7466

PB Comite Espanol de la Detergencia, Tensioactivos y Afines

DT Journal

LA English

IT 16090-02-1

RL: NUU (Other use, unclassified); PRP (Properties); USES (Uses) (properties of fluorescent whitening agents for detergents)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

ANSWER 327 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1994:641579 CAPLUS AN

DN 121:241579

ΤI Solid photographic color developer and processing method for silver halide photographic material

IN Koma, Kyoko

PΑ Konishiroku Photo Ind, Japan

SO Jpn. Kokai Tokkyo Koho, 40 pp.

CODEN: JKXXAF

Patent DT

LА Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE			
PI PRAI	JP 06003787 JP 1992-184615	A2	19940114 19920618	JP 1992-184615	19920618			
os	MARPAT 121:241579							
ΙT	20579-01-5 32257-56-0 92466-51-8							
	106360-14-9 158256-	89-4 15	8256-90-7					

RL: USES (Uses)

(solid photog. developer containing)

RN20579-01-5 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-CN 1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

32257-56-0 CAPLUS RN

CN Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[(2hydroxyethyl)amino]-1,3,5-triazine-4,2-diyl]imino]]bis-, tetrasodium salt (9CI) (CA INDEX NAME)

HO₂C
$$NH$$
 NH NH SO_3H HO_3S NH NH

●4 Na

PAGE 1-B

RN 92466-51-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-[[4-[(2-hydroxyethyl)amino]carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

HO-CH₂-CH₂-NH-C
$$\frac{NH}{N}$$
 $\frac{NH}{N}$ $\frac{CH}{SO_3H}$

●2 Na

$$NH - CH_2 - CH_2 - OH$$
 $NH - CH_2 - CH_2 - OH$
 $NH - CH_2 - CH_2 - OH$
 $NH - CH_2 - CH_2 - OH$

RN 106360-14-9 CAPLUS

CN Benzoic acid, 2,2'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[(2-hydroxyethyl)amino]-1,3,5-triazine-4,2-diyl]imino]]bis-, tetrasodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

•4 Na

PAGE 1-B

--- CH₂-- CH₂-- OH

RN 158256-89-4 CAPLUS

CN Benzoic acid, 2,2'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[bis(2-hydroxyethyl)amino]-1,3,5-triazine-4,2-diyl]imino]]bis-, tetrasodium salt (9CI) (CA INDEX NAME)

4 Na

PAGE 1-B

---- сн2-- он

RN 158256-90-7 CAPLUS
CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[4-

(aminocarbonyl)phenyl]amino]-6-[(2-hydroxyethyl)amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

H₂N-C
$$H_2$$
NH H_2 N-C H_2 CH2-CH2-NH

L4 ANSWER 328 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1994:633061 CAPLUS

DN 121:233061

TI Micellar effects on photostabilization of 4,4'-diaminostilbene-2,2'-disulfonate derivatives

AU Seguchi, Kazuyoshi; Tanaka, Satoko; Ebara, Yoshiko; Yoshida, Junko; Hashimoto, Reiko

CS Fac. Home Econ., Mukogawa Women's Univ., Nishinomiya, 663, Japan

SO Trends in Organic Chemistry (1990), 1, 165-71 CODEN: TORCEU

DT Journal

LA English

IT 17958-73-5

RL: USES (Uses)

(photostabilization and isomerization of, surfactant micelle effect on)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

 \sim NH- CH $_2-$ CH $_2-$ OH

L4 ANSWER 329 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN AN 1994:500909 CAPLUS

10/519,031

- DN 121:100909
- TI The psi operon of Rhizobium leguminosarum biovar phaseoli: identification of two genes whose products are located at the bacterial cell surface
- AU Mimmack, M. L.; Borthakur, D.; Jones, M. A.; Downie, J. A.; Johnston, A. W. B.
- CS Sch. Biol. Sci., Univ. East Anglia, Norwich, NR4 7TJ, UK
- SO Microbiology (Reading, United Kingdom) (1994), 140(5), 1223-9 CODEN: MROBEO; ISSN: 1350-0872
- DT Journal
- LA English
- IT 4193-55-9

RL: PRP (Properties)

(gene psiA of Rhizobium leguminosarum phaseoli in multi-copy plasmid inhibition of exopolysaccharide synthesis in relation to cells staining with)

- RN 4193-55-9 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

•2 Na

PAGE 1-B

-- cн₂-- он

L4 ANSWER 330 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1994:477304 CAPLUS

DN 121:77304

TI Use of optical brighteners as radiation protectants for gypsy moth (Lepidoptera: Lymantriidae) nuclear polyhedrosis virus

AU Shapiro, Martin

CS USDA-ARS, Insect Biocontrol Lab., Beltsville, MD, 20705, USA

SO Journal of Economic Entomology (1992), 85(5), 1682-6 CODEN: JEENAI; ISSN: 0022-0493

DT Journal

LA English

IT 4193-55-9, Tinopal LPW

RL: BIOL (Biological study)

(photoprotection by, of gypsy moth nuclear polyhedrosis virus from UV radiation)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 331 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1994:464742 CAPLUS

DN 121:64742

TI Determination of detergent-derived fluorescent whitening agents in sewage sludges by liquid chromatography

AU Poiger, Thomas; Field, Jennifer A.; Field, Thomas M.; Giger, Walter

CS Swiss Fed. Inst. Environ. Sci. and Technol. (EAWAG), Duebendorf, CH-8600, Switz.

SO Analytical Methods & Instrumentation (1993), 1(2), 104-13 CODEN: ANMIEB; ISSN: 1063-5246

DT Journal

LA English

IT 4404-43-7 24231-46-7
RL: ANT (Analyte); ANST (Analytical study)
(determination of, in sewage sludge, by liquid chromatog.)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CFINDEX NAME)

- CH₂- OH

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 332 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1994:453483 CAPLUS

DN 121:53483

 ${\tt TI}$ Double staining method and enzyme reaction chamber for protoplasts preparation

IN Saito, Noryasu

PA Iseki Agricult Mach, Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp. CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	JP 06102158	A2	19940415	JP 1991-335778	19911125	
DDAT	TD 1001-225770		10011125	•		

IT 4193-55-9, Fluorescent Brightener 28

RL: ANST (Analytical study)

(protoplast stained with, for study activity of cytoplasm or nucleus or cell wall regeneration)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium

salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2-N$
 $N-CH_2-CH_2-N$
 $N-CH_2-CH_2-$

2 Na

PAGE 1-B

— cн₂- он

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ANSWER 333 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
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1994:438089 CAPLUS AN

121:38089 DN

Granular detergent compositions containing dyes and fluorescent TIbrighteners for whiteness

de Ryck, Benny; van Dijk, Paul; Vega, Jose Luis IN

Procter and Gamble Co., USA PA

Eur. Pat. Appl., 14 pp. CODEN: EPXXDW

DTPatent

LA English

FAN.	CNT	1																	
		TENT						DATE							NO.				
PI	ΕP		72			A 1		1994	0119										
	LF							ES,		GB,	GR	≀, I'	Т,	LI,	LU,	NL,	PT,	SE	
		1722	40			E		1998	1015	1	ΑT	199	2-2	2021	70		1	9920	715
		2121																	
	WO	9402	574			A1		1994	0203	1	WO	199	3− 0	JS58	88		1	9930	618
		W:	ΑU,	BB,	BG,	BR,	BY,	CA,	CZ,	FI,	HU	, J	Ρ,	KP,	KR,	ΚZ,	LK,	MG,	MN,
			MW,	NO,	NZ,	PL,	RO,	RU,	SD,	SK,	UA	, U	s,	VN					
		RW:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR	R, I	Ε,	IT,	LU,	MC,	NL,	PT,	SE,
								CM,											
	ΑU	9346	421			A1		1994	0214	1	ΑU	199	3-4	1642	1		1	9930	618
	JΡ	0750	9268			T2		1995	1012	,	JP	199	4-5	5044	58		1	9930	618
	JP	3560	340			B2		2004	0902										
	CA	2140	285			С		1999	0126		CA	199	3-2	2140	285		1	9930	618
	CN	1083	859			Α		1994	0316		CN	199	3-:	1098	80		1	9930	715
	CN	1054	631			В		2000	0719										
		5529				Α		1996	0625	1	US	199	5-3	3672	89		1	9950	113
		1243				A		2000	0209	(CN	199	9-:	1100	39		1	9990	625
		1094						2002			:								

10/519,031

PRAI EP 1992-202170 A 19920715 WO 1993-US5888 W 19930618

IT 4193-55-9 13863-31-5 16090-02-1

29803-14-3 RL: USES (Uses)

(detergent granules containing, for whiteness)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

•2 Na

PAGE 1-B

— cн₂- он

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

— cн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

RN 29803-14-3 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxy-1-methylethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

2 Na

L4 ANSWER 334 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1994:404450 CAPLUS

DN 121:4450

TI Immobilization of pectin, xyloglucan and other soluble plant polysaccharides on blotting membranes

AU Jeffree, Christopher E.

CS Sci. Fac., Univ. Edinburgh, Edinburgh, EH9 3JH, UK

SO. New Phytologist (1993), 125(4), 695-706 CODEN: NEPHAV; ISSN: 0028-646X

DT Journal

LA English

IT 4193-55-9, Calcofluor white m2r

RL: ANST (Analytical study)

(staining by, for polysaccharide visualization on nylon)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 335 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1994:334774 CAPLUS

DN 120:334774

TI Method for processing silver halide photographic material

IN Nakamura, Koichi; Yabuki, Yoshiharu

PA Fuji Photo Film Co., Ltd., Japan

SO Eur. Pat. Appl., 78 pp.

10/519,031

CODEN: EPXXDW

DT Patent LA English FAN.CNT 1

	···				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	EP 565023	A1	19931013	EP 1993-105601	19930405
	EP 565023	B1	19980701		
	R: DE, FR, GB,	NL			
	JP 05303185	A2	19931116	JP 1992-112377 '	19920406
	JP 2958589	B2	19991006		
	US 5380626	Α	19950110	US 1993-42800	19930406
PRAI	JP 1992-112377	Α	19920406		

OS MARPAT 120:334774

IT 106360-14-9

RL: USES (Uses)

(in photog. processing)

RN 106360-14-9 CAPLUS

CN Benzoic acid, 2,2'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[(2-hydroxyethyl)amino]-1,3,5-triazine-4,2-diyl]imino]]bis-, tetrasodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

•4 Na

PAGE 1-B

- сн₂- сн₂- он

L4 ANSWER 336 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1994:292114 CAPLUS

DN 120:292114

TI Enhancement of gypsy moth (Lepidoptera: Lymantriidae) baculovirus activity by optical brighteners

AU Shapiro, M.; Robertson, J. L.

CS Insect Biocontrol Lab., USDA-ARS, Beltsville, MD, 20705, USA

SO Journal of Economic Entomology (1992), 85(4), 1120-4 CODEN: JEENAI; ISSN: 0022-0493

DT Journal

10/519,031

LA English

IT 4193-55-9, Phorwite AR 13863-31-5, Phorwite RKH

RL: BIOL (Biological study)

(gypsy moth nuclear polyhedrosis virus insecticidal activity enhancement by)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

— cн₂- он

L4 ANSWER 337 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1994:291825 CAPLUS

DN 120:291825

TI Genotoxicity of chemical synthetic dyes. Results of umu test using Salmonella typhimurium TA1535/pSK1002

AU Nakamura, S.; Kosaka, H.; Ugawa, M.

CS Osaka Prefect. Inst. Public Health, Osaka, 537, Japan

SO Hen'igensei Shiken (1993), 2(3), 162-74 CODEN: HESHEI; ISSN: 0917-5768

DT Journal

LA Japanese

IT 16090-02-1, c.i. Fluorescent brightener 260 17958-73-5, c.i. Fluorescent brightening agent 85

RL: ADV (Adverse effect, including toxicity); BIOL (Biological study) (genotoxicity of)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA:INDEX NAME)

●2 Na

PAGE 1-B

~ ин-сн₂-сн₂-он

L4 ANSWER 338 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1994:272973 CAPLUS

DN 120:272973

TI Whiteness and blueing of cotton fabrics industrially whitened with fluorescent brightening agent

AU Ikuno, Harumi; Komaki, Motoko; Nakajima, Toshinari

CS Fac. Educ., Tokyo Gakugei Univ., Koganei, 184, Japan

SO Nippon Kasei Gakkaishi (1993), 44(12), 1051-6 CODEN: NKGAEB; ISSN: 0913-5227

DT Journal

LA Japanese

IT 17958-73-5, C.I. Fluorescent Brightener 85
RL: PRP (Properties)

(effects of, on whiteness and blueing of cotton fabrics)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

NH-CH2-CH2-OH

ANSWER 339 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1994:268421 CAPLUS AN

DN 120:268421

ΤI Determination of the average molecular weight of barley $\beta\text{-glucan}$ within the range 30-100k by the Calcofluor-FIA method

Manzanares, P.; Navarro, A.; Sendra, J. M.; Carbonell, J. V. Asoc. Invest. Cerveza Malta, Valencia, 46010, Spain ΑU

CS

Journal of Cereal Science (1993), 18(3), 211-23 SO CODEN: JCSCDA; ISSN: 0733-5210

DTJournal

English LΑ

4193-55-9, Cellufluor IT

RL: ANST (Analytical study)

(in glucan mol. weight fraction determination, by flow-injection anal.)

RN 4193-55-9 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

2 Na

PAGE 1-B

— cн₂- он

ANSWER 340 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1994:210906 CAPLUS AN

DN

ΤI An electron microscope and electron diffraction study of the effect of

10/519,031

calcofluor and Congo red on the biosynthesis of chitin in vitro

AU Bartnicki-Garcia, Salomon; Persson, Jan; Chanzy, Henri

CS Dep. Plant Pathol., Univ. California, Riverside, CA, 92521, USA

SO Archives of Biochemistry and Biophysics (1994), 310(1), 6-15 CODEN: ABBIA4; ISSN: 0003-9861

DT Journal

LA English

IT 4193-55-9

RL: BIOL (Biological study)

(chitin biosynthesis and chitin synthetase response to, microscopy study of)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 341 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1994:193927 CAPLUS

DN 120:193927

TI A study of the photodegradation of fluorescent whitening agents applied to wool, using real-time fluorescence spectroscopy

AU Collins, Stephen; Davidsen, R. Stephen

CS The Chemical Laboratory, The University of Kent, Canterbury Kent, CT2 7NH, UK

SO Journal of Photochemistry and Photobiology, A: Chemistry (1994), 77(2-3), 277-82

CODEN: JPPCEJ; ISSN: 1010-6030

DT Journal

LA English

IT 4193-55-9, Photine C 410

RL: USES (Uses)

(fluorescent whitening agent, for wool, photodegrdn. of, real-time fluorescence spectroscopic study of)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-

hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2-N$
 $N-CH_2$
 $N-CH_2-CH_2-N$
 $N-C$

●2 Na

PAGE 1-B

— cн₂— он

L4 ANSWER 342 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1994:186877 CAPLUS

DN 120:186877

TI CP/MAS 13C NMR study on microbial cellulose-fluorescent brightener complexes

AU Kai, Akira; Xu, Ping; Horii, Fumitaka; Hu, Shaohua

CS Dep. Ind. Chem., Tokyo Metropolitan Univ., Tokyo, 192-03, Japan

SO Polymer (1994), 35(1), 75-9 CODEN: POLMAG; ISSN: 0032-3861

DT Journal

LA English

IT 4193-55-9D, complexes with cellulose RL: PRP (Properties) (structure of)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— ch2- он

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ANSWER 343 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
     1994:159157 CAPLUS
AN
DN
     120:159157
TI
     Detection of cellulose- and/or polysaccharide-high algae by fluorometry
IN
     Ogawa, Naoki
PA
     Mitsubishi Heavy Industries, Ltd., Japan
     Jpn. Kokai Tokkyo Koho, 4 pp.
SO
     CODEN: JKXXAF
DT
     Patent
LΑ
     Japanese
FAN.CNT 1
     PATENT NO.
                         KIND
                                DATE
                                             APPLICATION NO.
                                                                    DATE
     JP 05268995
                          A2
                                19931019
                                             JP 1991-61758
                                                                    19910326
PRAI JP 1991-61758
                                19910326
     4193-55-9 67918-33-6
     RL: BIOL (Biological study)
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fluorometry) RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

(in detection of cellulose- and/or polysaccharide-high algae by

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

2 Na

PAGE 1-B

-- cн₂-- он

RN 67918-33-6 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(diethylamino)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4ANSWER 344 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1994:148939 CAPLUS

DN 120:148939

Production of exclusively UV-readable copies on transparent receptor ΤI

Theidel, Hans, Germany PA

Ger. Offen., 6 pp. SO

CODEN: GWXXBX

DTPatent

LΑ German

FAN.	FAN.CNT 1								
	PATENT NO.		DATE	APPLICATION NO.	DATE				
PI	DE 4135591	A 1	19930506	DE 1991-4135591	19911029				
	DE 4135591	C2	19940915						
PRAI	DE 1991-4135591		19911029						
os	MARPAT 120:148939								
IT	152930-01-3								

RL: USES (Uses)

(in photosensitive UV readable recording element)

RN 152930-01-3 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, dimethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

PhNH NH NH CH CH
$$=$$
 CH $=$ C

PAGE 1-B

--- сн2-- он

NAME)

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ANSWER 345 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
AN
     1994:109985 CAPLUS
DN
     120:109985
ΤI
     Optical bleaching agents for inhibition of soap photodegradation
     Prejmereanu, Ioan; Tamas, Ladislau
ΑU
     IMECO S.A., Bucharest, Rom.
SO
     Revistade Chimie (Bucharest, Romania) (1993), 44(4), 380-1
     CODEN: RCBUAU; ISSN: 0034-7752
DT
     Journal
LΑ
     Romanian
IT
     16090-02-1
     RL: USES (Uses)
        (optical brighteners, inhibition of soap photodegrdn. by)
RN
     16090-02-1 CAPLUS
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-
CN
     (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX
```

●2 Na

L4 ANSWER 346 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1994:48140 CAPLUS

DN 120:48140

TI Potentiation of epizootic viral infections of insects, with stilbene derivatives.

IN Black, Bruce C.

PA American Cyanamid Co., USA

SO Can. Pat. Appl., 22 pp.

CODEN: CPXXEB

DT Patent

LA English

FAN. CNT 1

1144.	1111.011 1										
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE						
PI	CA 2089619	AA	19930819	CA 1993-2089619	19930216						
	CA 2089619	С	20000530								
	US 5879674	Α	19990309	US 1992-837503	19920218						
PRAI	US 1992-837503	Α	19920218								

IT 4193-55-9, Calcofluor white M2R

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(insecticide, by latent virulence potentiation, of entomopathogenic viruses)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

— cн₂— он

L4 ANSWER 347 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1994:33407 CAPLUS

DN 120:33407

TI Storage-stable aqueous suspensions of fluorescent brightener mixtures for detergent manufacture

IN Fringeli, Werner; Zelger, Josef

PA Ciba-Geigy A.-G., Switz.

SO Eur. Pat. Appl., 14 pp. CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 542677	A1	19930519	EP 1992-810830	19921028
	EP 542677	B1	19960313		
	R: AT, BE, CH,	DE, DK	, ES, FR, GB	, GR, IT, LI, LU, NL,	SE
	CH 682748	Α	19931115	CH 1991-3245	19911107
	AT 135423	E	19960315	AT 1992-810830	19921028
	ES 2084977	Т3	19960516	ES 1992-810830	19921028
	CA 2082202	AA	19930508	CA 1992-2082202	19921105
	CA 2082202	С	20030729		
	BR 9204316	Α	19930511	BR 1992-4316	19921106
	AU 9228207	A1	19930513	AU 1992-28207	19921106
	AU 653271	B2	19940922		
	JP 05239768	A2	19930917	JP 1992-296255	19921106
	JP 3286358	В2	20020527		
	US 5518657	Α	19960521	US 1994-278708	19940722
PRAI	CH 1991-3245	Α	19911107		
	US 1992-969894	B1	19921102		
OG	MADDAT 120.22407				

OS MARPAT 120:33407

IT 24231-46-7D, alkali metal salts 54822-17-2D, alkali

metal salts

RL: USES (Uses)

(fluorescent brightener mixts. containing, aqueous suspensions of, storage-stable)

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 54822-17-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(ethylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 348 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1994:32776 CAPLUS

DN 120:32776

TI Washing of commercial cotton fabrics whitened with fluorescent brightening agents

AU Ogawa, Ikuko

CS Fac. Educ., Kagawa Univ., Japan

SO Sen'i Seihin Shohi Kagaku (1992), 33(12), 670-6 CODEN: SESKB9; ISSN: 0037-2072

DT Journal

LA Japanese

IT 4193-55-9

RL: USES (Uses)

(fluorescent brightening agent, washing of com. cotton fabrics in presence of)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

PAGE 1-B

— cн₂- он

10/519,031

AN 1993:627924 CAPLUS

DN 119:227924

TI Change in the whiteness by light irradiation observed for cotton fabrics whitened with stilbene type fluorescent brightening agents

AU Ikuno, Harumi; Komaki, Motoko; Nakajima, Toshinari

CS Fac. Educ., Tokyo Gakugei Univ., Koganei, 184, Japan

SO Nippon Kasei Gakkaishi (1993), 44(9), 753-9 CODEN: NKGAEB; ISSN: 0913-5227

DT Journal

LA Japanese

IT 17958-73-5, C.I. Fluorescent Brightener 85

RL: USES (Uses)

(for whitening of cotton fabric, effects of light irradiation on)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B·

NH-CH2-CH2-OH

L4 ANSWER 350 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1993:619609 CAPLUS

DN 119:219609

TI Activity enhancement of pentadienone hydrazone insecticides by stilbene derivatives.

IN Treacy, Michael F.; Black, Bruce C.; Donovan, Stephen F.

PA American Cyanamid Co., USA

SO U.S., 9 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5246936	Α	19930921	US 1991-812513	19911220
	EP 568731	A1	19931110	EP 1992-119536	19921116

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE AU 9230282 A1 19930624 AU 1992-30282 19921218 ZA 9209874 19930702 ZA 1992-9874 19921218 Α JP 1992-355961 19921218 JP 05255006 A2 19931005 PRAI US 1991-812513 Α 19911220 MARPAT 119:219609 os 4193-55-9, Calcofluor white M2R ΙT RL: BIOL (Biological study) (insecticidal activity enhancement by, of pentadienone hydrazones) RN 4193-55-9 CAPLUS Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

salt (9CI) (CA INDEX NAME)

Na

PAGE 1-B

DATE

19911004

— cн₂— он

JP 3032873

ΙT

RN

L4ANSWER 351 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN AN 1993:562599 CAPLUS DN 119:162599 UV-sensitive ink compositions for skin marking ΤI Fujisawa, Toshiki IN PA Sakura Color Prod Corp, Japan Jpn. Kokai Tokkyo Koho, 4 pp. SO CODEN: JKXXAF DT Patent LΑ Japanese FAN.CNT 1 APPLICATION NO. PATENT NO. KIND DATE PΙ JP 05098202 A2 19930420 JP 1991-257523

B2

19911004 PRAI JP 1991-257523 16090-02-1 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses) (inks containing, UV-sensitive, for marking skin) 16090-02-1 CAPLUS

20000417

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-

10/519,031

(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 352 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1993:519405 CAPLUS

DN 119:119405

TI Microfluorometric studies of the distribution of finishes on fibers and yarns

AU Kamath, Y. K.; Ruetsch, S. B.; Weigmann, H. D.

CS TRI/Princeton, Princeton, NJ, 08542, USA

SO Textile Research Journal (1993), 63(1), 19-32 CODEN: TRJOA9; ISSN: 0040-5175

DT Journal

LA English

IT 4193-55-9

RL: USES (Uses)

(tracers, for microfluorometric determination of finish distribution on fibers

and yarns)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

PAGE 1-B

— cн₂— он

L4 ANSWER 353 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1993:497851 CAPLUS

DN 119:97851

TI Color change of light-colored cotton fabrics during washing

AU Soljacic, Ivo; Pusic, Tanja; Cavara, Luka

CS Tekst.-Tehnol. Fak., Sveucil., Zagreb, Croatia

SO Tekstil (1992), 41(7), 357-60 CODEN: TEKTA6; ISSN: 0492-5882

DT Journal

LA Serbo-Croatian

IT 16090-02-1, Belofor KD2

RL: USES (Uses)

(fluorescent brighteners, laundering of dyed cotton fabrics in presence of, shade changes in relation to)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 354 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1993:475116 CAPLUS

DN 119:75116

TI Nonionic powder detergent compositions containing fluorescent brighteners

IN Kuroda, Mutsumi; Otsuka, Hiroshi

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	JP 04285697	A2	19921009	JP 1991-51225	19910315

PRAI JP 1991-51225 19910315

IT 4193-55-9 13863-31-5 16090-02-1 17958-73-5 20579-01-5 24019-81-6

RL: USES (Uses)

(fluorescent brighteners, nonionic powder detergents containing, with good

dispersibility and storability)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

— cн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

NH-СH2-СH2-ОН

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 24019-81-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(4-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

PAGE 1-B

10/519,031

AN 1993:417826 CAPLUS

DN 119:17826

TI Method for positive color image formation

IN Mitsui, Kosei

PA Fuji Photo Film Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 44 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

LIM.	I'M' ONI I									
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE					
ΡI	JP 05002241	A2	19930108	JP 1991-178812	19910624					
PRAI	JP 1991-178812		19910624							
IT	120698-78-4			•						
	RL: USES (Uses)									
	(fluorescent	brightener;								

RN 120698-78-4 CAPLUS

CN Benzoic acid, 4-[[4-[[4-[2-[4-[[4-[bis(2-hydroxyethyl)amino]-6-[(4-carboxyphenyl)amino]-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]-3-sulfophenyl]amino]-6-[(2-sulfophenyl)amino]-1,3,5-triazin-2-yl]amino]-, trisodium salt (9CI) (CA INDEX NAME)

●3 Na

PAGE 1-B

L4 ANSWER 356 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1993:404217 CAPLUS

DN 119:4217

TI Size-exclusion chromatographic determination of $\beta\text{-glucan}$ with postcolumn reaction detection

AU Suortti, T.

CS Food Res. Lab., Tech. Res. Cent. Finland, Espoo, SF-02151, Finland

SO Journal of Chromatography (1993), 632(1-2), 105-10

CODEN: JOCRAM; ISSN: 0021-9673

DT Journal

LA English

IT 4193-55-9

RL: ANST (Analytical study)

(in β -glucan determination by gel chromatog, with postcolumn reaction detection)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 357 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1993:235811 CAPLUS

DN 118:235811

TI Influence of optical brightening agents in detergents on the color change of pastel dyed textiles

AU Soljacic, I.; Pusic, T.; Cavara, L.

CS Inst. Text.-Technol., Univ. Zagreb, Zagreb, YU-41000, Croatia

SO Textilveredlung (1992), 27(10), 326-8 CODEN: TXLVAE; ISSN: 0040-5310

DT Journal

LA German

IT 16090-02-1, Belofor KD 2

RL: USES (Uses)

(fluorescent brighteners, washing of pastel-dyed cotton fabrics in presence of, shade changes in relation to)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 358 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1993:222609 CAPLUS

DN 118:222609

TI Set of chemical light-emitting solutions

IN Fujita, Masahiko; Yamamoto, Kiyobumi; Hayashi, Masaaki; Miyahara, Sadayasu

PA Shinroihi K. K., Japan; Nippon Kagaku Hakko K. K.

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
			-			
ΡI	JP 04300992	A2	19921023	JP 1991-89225	19910329	
PRAT	TP 1991-89225		19910329			

OS MARPAT 118:222609

IT 17958-73-5, Mikephor BX CONC

RL: PRP (Properties)

(fluorescent solution containing, for chemical light emission)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-

hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

NH— CH2— CH2— ОН

ANSWER 359 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1993:157682 CAPLUS AN

DN 118:157682

ΤI Method for processing black-and-white photographic material

Yoshimoto, Hiroshi; Koboshi, Shigeharu IN

ΡÀ

Konica Co., Japan Jpn. Kokai Tokkyo Koho, 28 pp. SO

CODEN: JKXXAF

DT Patent

LА Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI JP 04240637	A2	19920827	JP 1991-75920	19910123	
PRAI JP 1991-75920		19910123			

IT 20579-01-5

RL: USES (Uses)

(stabilizer, for black-and-white photog. processing)

RN20579-01-5 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-CN 1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

ANSWER 360 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1992:635629 CAPLUS AN

DN 117:235629

ΤI Monitoring completeness of vulcanization of vulcanizable elastomer compositions using fugitive fluorescent compounds

IN Alexander, James Alen; Brothers, Paul Douglas; Mazzola, Philip Charles; Stepanek, Mark Alan

PA du Pont de Nemours, E. I., and Co., USA

SO Eur. Pat. Appl., 9 pp.

CODEN: EPXXDW

DTPatent

LΑ English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	EP 489435	A2	19920610	EP 1991-120897	19911205
	EP 489435	A3	19921216		
	EP 489435	B1	19990421		
	R: BE, DE, FR,	GB, IT			
	US 5166236	Α	19921124	US 1990-623262	19901205
	CA 2056734	AA	19920606	CA 1991-2056734	19911129
	JP 06025497	A2	19940201	JP 1991-341778	19911202
	JP 3376562	B2	20.030210		
PRAI	US 1990-623262	Α	19901205		
IT	4193-55-9, Kevfluor	White :	ST		•

RL: USES (Uses)

(fugitive tracers, for monitoring vulcanization completeness of elastomers)

RN 4193-55-9 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A $HO-CH_2-CH_2$ $HO-CH_2-CH_2$ -CH2-HO-CH2-CH2-SO3H SO3H CH== CH

●2 Na

PAGE 1-B

— cн₂— он

L4ANSWER 361 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1992:629173 CAPLUS

DN 117:229173

ΤI Use of stilbene brightener, Tinopal LPW, as a radiation protectant for Steinernema carpocapsae

ΑU Nickle, W. R.; Shapiro, M.

CS Plant Sci. Inst., USDA, Beltsville, MD, 20705, USA

Journal of Nematology (1992), 24(3), 371-3 SO CODEN: JONEB5; ISSN: 0022-300X

DTJournal

LA English

IT 4193-55-9, Tinopal LPW

RL: BIOL (Biological study)

(photoprotection by, of Steinernema carpocapsae from UV radiation)

4193-55-9 CAPLUS RN

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 362 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1992:573375, CAPLUS

DN 117:173375

 ${\tt TI} \quad {\tt Development} \ {\tt of} \ {\tt a} \ {\tt method} \ {\tt of} \ {\tt separation} \ {\tt of} \ {\tt water-soluble} \ {\tt fluorescent} \ {\tt brighteners} \ {\tt by} \ {\tt HPLC}$

AU Puch, E.; Boada, E.; Estrany, F.; Ros, J.

CS Dep. Ing. Quim., E.U. Ing. Tec. Ind., Barcelona, Spain

SO Revista de Quimica Textil (1991), 102, 85-6, 88-9, 92-6, 98-9 CODEN: RQTED3; ISSN: 0300-3418

DT Journal

LA Spanish

IT 4193-55-9

RL: ANT (Analyte); ANST (Analytical study)
(determination of, in fluorescent brighteners, by HPLC)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

L4

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ANSWER 363 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
AN
    1992:533348 CAPLUS
DN
    117:133348
     Polyhydroxy fatty acid amides in brightener-containing liquid detergent
ΤI
     compositions
IN
    Honsa, Sandra Louise
```

Procter and Gamble Co., USA PA SO PCT Int. Appl., 84 pp.

CODEN: PIXXD2

DTPatent LΑ English

FAN.		1																
		CENT :	NO.			KIN	D	DATE		•	APPI	LICAT	ION 1	NO.		Di	ATE	
PI	WO	9206	172			A1		1992	0416	1	wo 1	1991-1	US69:	84		19	9910	925
		W:										DK,					JP,	KP,
												PL,						
		RW:										DE,	DK,	ES,	FR,	GΑ,	GB,	GN,
			GR,	IT,	LU,	ML,	MR,	NL,	SE,	SN,	TD,	TG						
		5174						1992	1229		US 1	1991-	7559	09		19	9910	906
	CA	2092	560			AA		1992	0329		CA 1	991-	2092	560		19	9910	925
	CA	2092	560			С		1998	1215									
		9187															9910	
	EP	5506	34			A1		1993	0714		EP 1	1991-	9180	55		19	9910	925
	EP	5506	34			B1		1994	0803									
		R:						ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE		
	BR	9106 0650	907			Α		1993	0720		BR 1	1991-	6907			19	9910	925
	JΡ	0650	1044			Т2		1994	0127		JP 1	991-	5170	92		19	9910	925
	CN	1063	123			Α		1992	0729		CN 1	991-	1084	92		19	9910	927
	NO	9301	023			Α		1993	0512		NO 1	993-	1023			19	9930	322
	NO	3025	80			В1		1998										
		1053						2000	0731		FI 1	993-	1364			19	9930	326
PRAI		1990						1990										
		1991						1991										
		1991				A		1991										
			, 55	, , ,		• •												

WO 1991-US6984 A 19910925

OS MARPAT 117:133348

IT 4193-55-9 13863-31-5 16090-02-1

RL: USES (Uses)

(fluorescent brightener, premix containing polyhydroxy fatty amide and, for liquid detergents)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

— cн₂- он

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

-- сн2-- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 364 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1992:514036 CAPLUS

DN 117:114036

 ${\tt TI}$ A system for determining optical brighteners in laundry detergents by ${\tt TLC}$ and ${\tt HPLC}$

AU Jasperse, J. L.; Steiger, P. H.

CS Sherex Chem. Co., Dublin, OH, 43017, USA

SO Journal of the American Oil Chemists' Society (1992), 69(7), 621-5 CODEN: JAOCA7; ISSN: 0003-021X

DT Journal

LA English

IT 4193-55-9, Tinopal LPW 13863-31-5, Tinopal 5BM
16090-02-1, Tinopal AMS
RL: ANT (Analyte); ANST (Analytical study)
(determination of, in laundry detergents, chromatog. methods for)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

- сн $_2$ - он

RN 13863-31-5 CAPLUS
CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

SO3H

PhNH
N
N
N
N
N
N
N
N
N
N
N
N
N
N
N
N
CH2

Me

●2 Na

-сн $_2$ -он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

ANSWER 365 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1992:500873 CAPLUS AN

117:100873 DN

Method for processing silver halide color photographic light-sensitive TI

IN Nagaoka, Shinsaku; Kobosh, Shigeharu

PA Konica Corp., Japan

SO Eur. Pat. Appl., 41 pp. CODEN: EPXXDW

DTPatent

LА English

FAN. CNT 1

ran. Chi								
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE				
	-							
PI EP 482915	A1	19920429	EP 1991-309806	19911023				
EP 482915	B1	19960515						
R: DE, FR, GB,	NL							
US 5230991	Α	19930727	US 1991-778526	19911018				
JP 05005977	A2	19930114	JP 1991-275559	19911023				
PRAI JP 1990-285471	Α	19901023						
OS MARPAT 117:100873								
IT 17958-73-5								
RL: USES (Uses)								

(photog. brightener)

RN17958-73-5 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

NH-СH2-СH2-ОН

L4 ANSWER 366 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1992:444254 CAPLUS

DN 117:44254

TI Effects of 2,6-dichlorobenzonitrile and Tinopal LPW on the structure of the cellulose synthesizing complexes of Vaucheria hamata

AU Mizuta, S.; Brown, R. M., Jr.

CS Fac. Sci., Kochi Univ., Kochi, Japan

SO Protoplasma (1992), 166(3-4), 200-7 CODEN: PROTA5; ISSN: 0033-183X

DT Journal

LA English

IT 4193-55-9, Tinopal LPW

RL: BIOL (Biological study)

(structure of cellulose synthesizing complexes of Vaucheria hamata response to)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2-N$
 $HO-CH_2-N$
 $HO-CH_2-N$

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 367 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1992:443875 CAPLUS

DN 117:43875

TI Gel electrophoretic analysis of chitosan hydrolysis products

AU Audy, Patrice; Asselin, Alain

CS Fac. Sci. Agric. Aliment., Univ. Laval, QC, G1K 7P4, Can.

SO Electrophoresis (1992), 13(5), 334-7 CODEN: ELCTDN; ISSN: 0173-0835

DT Journal

LA English

IT 4193-55-9, Calcofluor White M2R RL: ANST (Analytical study)

(staining by, of oligosaccharides of chitosan)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

— cн₂— он

L4 ANSWER 368 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1992:442721 CAPLUS

DN 117:42721

TI Triazine derivatives as plant fungicides

IN Hofferek, Horst; Keil, Siegfried; Lyr, Horst; Noll, Bernd; Hartleb, Horst; Kochmann, Werner; Matschiner, Hermann

PA Chemie A.-G. Bitterfeld-Wolfen, Germany

SO Ger. (East), 19 pp.

CODEN: GEXXA8

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
ΡI	DD 298198	A 5	19920213	DD 1989-326013	19890224	
DDAT	מח 1989–326013		19890224			

OS MARPAT 117:42721

IT 142147-29-3D, salts 142147-30-6D, salts

142147-31-7D, salts

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(as fungicides, for plants, plant defense stimulation by)

RN 142147-29-3 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(butylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 142147-30-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(heptylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

-NH-(CH₂)₆-Me

RN 142147-31-7 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN methylpropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) INDEX NAME)

ANSWER 369 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1992:421931 CAPLUS AN

DN 117:21931

ΤI Triazine derivative plant virucides

Hofferek, Horst; Keil, Siegfried; Noll, Bernd; Kochmann, Werner; Matschiner, Hermann; Ostermann, Wolf Dieter

PA Chemie A.-G. Bitterfeld-Wolfen, Germany

Ger. (East), 21 pp. SO

CODEN: GEXXA8

DTPatent

LΑ German

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DD 298197 PRAI DD 1989-326012	A5	19920213 19890224	DD 1989-326012	19890224
OS MARPAT 117:21931				

IT 4193-55-9 17958-73-5 142081-06-9

RL: BIOL (Biological study)

(as virucide, for plants, plant defense stimulation by)

RN4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

PAGE 1-B

— cн₂- он

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

~ NH- CH2- CH2- OH

RN 142081-06-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylpropyl)propylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

L4 ANSWER 370 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1992:216654 CAPLUS

DN 116:216654

TI Fluorescent brighteners for papermaking

IN Shimizu, Yoshiaki; Yamamoto, Nobutaka

PA Nippon Kayaku Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp. CODEN: JKXXAF

CODEN: UKAAA

INDEX NAME)

DT Patent

LA Japanese

FAN.CNT 1

FAN.	CNT I							
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE			
PI	JP 03294598	A2	19911225	JP 1990-92345	19900409			
	JP 2754077	B2 '	19980520					
PRAI	JP 1990-92345		19900409					
os	MARPAT 116:216654							
IT	4404-43-7 21162-88-	9						
	RL: USES (Uses)							
	(fluorescent bri	ghteners	s for paper,	nonyellowing)				
RN	4404-43-7 CAPLUS							
CN	Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-							
	hvdroxvethvl)aminol	-6- (phei	nvlamino)-1,	3,5-triazin-2-vllaminol	- (9CI) (CA		

PAGE 1-A

PhNH
N
NH
N
NH
N
NH
N
NH
N
NH
N
N
NH
N
N
N
N
N
HO-
$$CH_2 - CH_2 - N$$
HO- $CH_2 - CH_2$
CH2- $CH_2 - OH$

PAGE 1-B

— cн₂- он

RN 21162-88-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

- L4 ANSWER 371 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1992:189326 CAPLUS
- DN 116:189326
- TI Applicability of the i/o-characters to a quantitative description of bioconcentration of organic chemicals in fish
- AU Saito, Shoji; Tanoue, Akira; Matsuo, Masatoshi
- CS Environ. Health Sci. Lab., Sumitomo Chem. Co., Ltd., Takarazuka, 665, Japan
- SO Chemosphere (1992), 24(1), 81-7 CODEN: CMSHAF; ISSN: 0045-6535
- DT Journal
- LA English
- RN 56776-29-5 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1E)-1,2-ethenediylbis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Double bond geometry as shown.

●2 Na

- RN 56776-30-8 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1E)-1,2-ethenediylbis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Double bond geometry as shown.

●2 Na

disodium salt (9CI) (CA INDEX NAME)

```
L4
     ANSWER 372 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
AN
     1992:131666 CAPLUS
DN
     116:131666
     Laundry detergents providing washfast whiteness
TI
     Watanabe, Toshiyuki; Murayama, Kiyoshi; Mukoyama, Koji
IN
PA
     Lion Corp., Japan
     Jpn. Kokai Tokkyo Koho, 8 pp.
SO
     CODEN: JKXXAF
DT
     Patent
LΑ
     Japanese
FAN.CNT 1
     PATENT NO.
                        KIND
                               DATE
                                           APPLICATION NO.
                                                                  DATE
     -----
                                           -----
                         A2
                                           JP 1990-69050
                                                                  19900319
PΙ
     JP 03269099
                               19911129
     JP 2855281
                         В2
                               19990210
PRAI JP 1990-69050
                               19900319
     13863-31-5 16090-02-1 24019-80-5
     RL: USES (Uses)
        (fluorescent brighteners, washfast)
RN
     13863-31-5 CAPLUS
CN
    Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-
```

hydroxyethyl) methylamino] -6-(phenylamino) -1, 3, 5-triazin-2-yl] amino] -,

●2 Na

PAGE 1-B

— cн₂— он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

RN 24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B



ANSWER 373 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1992:108857 CAPLUS AN

116:108857 DN

Surfactant ion pair fluorescent whitener compositions with hypochlorite ΤI resistance

IN Petrin, Michael; Van Buskirk, Gregory

PA Clorox Co., USA

so U.S., 11 pp. CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

PAN.CNI I				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
		-,		
PI US 5057236	Α	19911015	US 1990-540975	19900620
EP 462793	A2 -	19911227	EP 1991-305494	19910618
EP 462793	A3	19921028		
EP 462793	B1	19971105		
R: ES, FR, IT				
ES 2108706	Т3	19980101	ES 1991-305494	19910618
CA 2044953	AA	19911221	CA 1991-2044953	19910619
CA 2044953	C	20021008		
PRAI US 1990-540975	Α	19900620		
OS MARPAT 116.108857				

os MARPAT 116:10885/

IT 13863-31-5 31900-04-6, Blankophor RKH ·

RL: TEM (Technical or engineered material use); USES (Uses)

(ion pairs with quaternary ammonium surfactants, fluorescent whiteners, hypochlorite-resistant)

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

— cн₂— он

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

- L4 ANSWER 374 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1991:654511 CAPLUS
- DN 115:254511
- TI Colorants for polymers
- CS United States Food and Drug Administration, Rockville, MD, 20857, USA
- SO Federal Register (1991), 56(169), 42927-35, 30 Aug 1991

10/519,031

CODEN: FEREAC; ISSN: 0097-6326

DT Journal

LA English

IT 4193-55-9 13863-31-5

RL: BIOL (Biological study)

(of textiles for food contact, stds. for)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂— он

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

-- сн $_2-$ он

ANSWER 375 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

AN 1991:650381 CAPLUS

115:250381 DN

ΤI Biocontrol compositions containing fluorescent brighteners

Agricultural Research Service, USA

U. S. Pat. Appl., 40 pp. Avail. NTIS Order No. PAT-APPL-7-609 848.

CODEN: XAXXAV

DTPatent

English LΑ

FAN.CNT 1

IAM CONT I							
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
PI	US 609848	A 0	19910215	US 1990-609848	19901107		
	US 5124149	Α	19920623				
PRAI	US 1990-609848		19901107				
IT	4193-55-9, Phorwite AR						
	PI. BIOI. (Biological study)						

RL: BIOL (Biological study)

(insect controlling agents containing)

4193-55-9 CAPLUS RN .

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

PAGE 1-B

— cн₂- он

ANSWER 376 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

AN 1991:643903 CAPLUS

115:243903 DN

Fluorescent brightener for silver halide photographic material ΤI

Nagaoka, Yoko; Hirabayashi, Shigeto IN

PA

Konica Co., Japan Jpn. Kokai Tokkyo Koho, 10 pp. SO

CODEN: JKXXAF

DTPatent

LΑ Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
 JP 03062029 JP 1989-198182 137350-50-6	A2	19910318 19890731	JP 1989-198182	19890731
RL: USES (Uses) (gelatin modified	d with,	fluorescent	brightener, photog	. paper using)

137350-50-6 CAPLUS RN Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-CN [bis(2-hydroxyethyl)amino]-1,3,5-triazine-4,2-diyl]imino]]bis-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO_2C$$
 $HO-CH_2-CH_2-N$
 $HO-CH_2-CH_2$
 $HO-CH_2-CH_2$
 $HO-CH_2-CH_2$

●2 Na

PAGE 1-B

```
L4 ANSWER 377 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
```

AN .1991:610097 CAPLUS

DN 115:210097

TI Analysis of finish distribution on textile substrates

AU Weigmann, Hans Dietrich

CS Text. Res. Inst., Princeton, NJ, 08542, USA

SO Textile Chemist and Colorist (1991), 23(5), 15-24 CODEN: TCCOB6; ISSN: 0040-490X

DT Journal

LA English

IT 4193-55-9

RL: USES (Uses)

 $% \left(1\right) =\left(1\right) +\left(1\right) +\left($

on fibers)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— сн2- он

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ANSWER 378 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
     1991:602431 CAPLUS
ΑN
     115:202431
DN
TI
     Selective determination of \beta-glucan of differing molecular size,
    using the calcofluor-fluorometric flow-injection-analysis (FIA) method
    Manzanares, Paloma; Navarro, Alfonso; Sendra, Jose M.; Carbonell, Jose V.
ΑU
CS
    Asoc. Invest. Cerveza Malta, Valencia, 46010, Spain
    Journal of the Institute of Brewing (1991), 97(2), 101-4
SO
    CODEN: JINBAL; ISSN: 0368-2587
DT
    Journal
    English
LΑ
IT
```

4193-55-9, Cellufluor RL: ANST (Analytical study)

(in β -glucan mol. size fractions determination by fluorometry)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 379 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1991:478429 CAPLUS

DN 115:78429

TI Determination of fluorescent brightening agents in environmental water with high performance liquid chromatography

AU Esaki, Mitsuhiro; Koga, Kimiyasu; Matsubara, Hidetaka

CS Fukuokashi Eisei Shikenjo, Fukuoka, Japan

SO Fukuoka-shi Eisei Shikenshoho (1990), 15, 63-72 CODEN: FESHDT; ISSN: 0388-6166

DT Journal

LA Japanese

IT 56776-30-8 60316-97-4 120066-31-1 120066-32-2

RL: ANT (Analyte); ANST (Analytical study) (determination of, in water, by HPLC)

RN 56776-30-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1E)-1,2-ethenediylbis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Double bond geometry as shown.

●2 Na

RN 60316-97-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

●2 Na

RN 120066-31-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

●2 Na

PAGE 1-B

RN120066-32-2 CAPLUS Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt, (E)- (9CI) (CA INDEX NAME) CN

Double bond geometry as shown.

●2 Na

PAGE 1-B



L4ANSWER 380 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1991:411312 CAPLUS

DN 115:11312

ΤI Liquid detergent compositions containing hydrophilic fluorescent brighteners

IN Quintini, Massimo

PASigma Prodotti Chimici S.r.l., Italy

so Fr. Demande, 20 pp.

CODEN: FRXXBL

DΤ Patent

LΑ French

L MIA	· CN I I				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
		-			-
ΡI	FR 2642084	A1	19900727	FR 1990-949	19900126
	FR 2642084	В1	19931203		
	GB 2229742	A 1	19901003	GB 1990-1723	19900125
	GB 2229742	В2	19920729		
PRA	I IT 1989-19200	Α	19890126		
OS	MARPAT 115:11312				
ΙT	24565-13-7 31900-0	4-6			
	DI Mana (**)				

RL: USES (Uses)

(fluorescent brighteners, in phosphate-free liquid detergents)

RN 24565-13-7 CAPLUS CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(ethylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 381 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1991:410861 CAPLUS

DN 115:10861

TI Preparation of triazinylaminostilbene derivative-containing optical brightener aqueous suspensions

IN Malasnicki, Wladyslaw Longin; Rzeszowski, Jerzy; Zwierzynski, Krzysztof; Higersberger, Ewa; Mackiewicz, Aleksander

PA Instytut Przemyslu Organicznego, Pol.

SO Pol., 4 pp. CODEN: POXXA7

DT Patent

LA Polish

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	PL 147768 PL 1986-261953	B1	19890731 19861020	PL 1986-261953	19861020
OS IT	MARPAT 115:10861 4193-55-9P				
11	RL: IMF (Industrial	manufa	cture); PREP	(Preparation)	
	(optical brighter	ners. p	reparation o	f. storage-stable)	

(optical brighteners, preparation of, storage-stable)

RN 4193-55-9 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

•2 Na

PAGE 1-B

— cн₂- он

ANSWER 382 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1991:249766 CAPLUS AN

DN 114:249766

Liquid detergent compositions containing fluorescent brighteners ΤI

IN Schuessler, Ulrich; Seng, Florian

Bayer A.-G., Germany PA

Ger. Offen., 5 pp. SO CODEN: GWXXBX

DTPatent

LΑ German

FAN.CNT 1				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 3922494	A1	19910117	DE 1989-3922494	19890708
EP 413926	A1	19910227	EP 1990-111940	19900623
R: CH, DE, FR,	GB, IT	, LI		
JP 03045699	A2	19910227	JP 1990-172830	19900702
CA 2020666	AA	19910109	CA 1990-2020666	19900706
PRAI DE 1989-3922494	Α	19890708		
OS MARPAT 114:249766				
IT 134198-37-1 134198-	-38-2			
RL: USES (Uses)				

(fluorescent brighteners, liquid detergent compns. containing)

134198-37-1 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[2-CN (diethylamino) ethyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-(9CI) (CA INDEX NAME)

PAGE 1-B

RN 134198-38-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-amino-3-oxopropyl)[3-(diethylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

─ NHPh

L4 ANSWER 383 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1991:249633 CAPLUS

DN 114:249633

TI Compositions for the optical bleaching of coatings for paper

IN Koenig, Joachim; Bieber, Werner; Hunke, Bernhard; Mueller, Friedhelm;

10/519,031

Kruesemann, Jochen; Schuessler, Ulrich

PA Bayer A.-G., Germany

SO Eur. Pat. Appl., 15 pp.

CODEN: EPXXDW

DT Patent

LA German

CAM.	~14 T T				
	PATENT NO.	KIND DATE		APPLICATION NO.	DATE
					
ΡI	EP 409028	A1	19910123	EP 1990-113025	19900707
	. R: AT, BE, CH,	DE, FR	, GB, IT, L	I, NL, SE	
	DE 3924051	A1	19910124	DE 1989-3924051	19890721
	NO 9003004	Α	19910122	NO 1990-3004	19900705
	CA 2021559	AA	19910122	CA 1990-2021559	19900719
	DD 298956	A5	19920319	DD 1990-342923	19900719
	JP 03059192	A2	19910314	JP 1990-190893	19900720
PRAI	DE 1989-3924051	Α	19890721		
	DE 1989-3938690	Α	19891122		

OS MARPAT 114:249633

IT 4193-55-9 16090-02-1

RL: USES (Uses)

(fluorescent brighteners, containing powdered cellulose, for coatings for paper)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 384 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1991:224157 CAPLUS

DN 114:224157

TI Detection of β -glucanase activity on various β -1,3 and β -1,4-glucans after native and denaturing polyacrylamide gel electrophoresis

AU Cote, Francois; El Quakfaoui, Souad; Asselin, Alain

CS Dep. Phytol., Univ. Laval, Quebec, QC, G1K 7P4, Can.

SO Electrophoresis (1991), 12(1), 69-74 CODEN: ELCTDN; ISSN: 0173-0835

DT Journal

LA English

IT 4193-55-9

RL: BIOL (Biological study)

(in glucanase detection on polyacrylamide gel electrophoresis)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na '

PAGE 1-B

— cн₂- он

10/519,031

AN 1991:209583 CAPLUS

DN 114:209583

TI Fluorescent whitening agents in heavy duty liquid detergents

AU Lee, Frank

CS Ciba-Geigy A.-G., Basel, Switz.

Journal of Chemical Technology and Biotechnology (1991), 50(3), 301-19 CODEN: JCTBED; ISSN: 0268-2575

DT Journal

LA English

IT 13863-31-5 16090-02-1

RL: USES (Uses)

(fluorescent brighteners, in heavy-duty liquid detergents, effectiveness of)

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

- сн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

CN

●2 Na

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ANSWER 386 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
     1991:188023 CAPLUS
AN
     114:188023
DN
ΤI
     Thickened acidic liquid composition with amino group-containing
     fluorescent whitener for use as a bleaching agent vehicle
IN
     Peterson, David
     Clorox Co., USA
PA
SO
     Eur. Pat. Appl., 16 pp.
     CODEN: EPXXDW
DΤ
     Patent
LА
     English
FAN.CNT 1
                                            APPLICATION NO.
                                                                    DATE
     PATENT NO.
                         KIND
                                DATE
                                            -----
     _____
                                            EP 1990-304660
                          Α2
                                                                    19900430
PΙ
                                19901219
     EP 403062
                                19910109
     EP 403062
                          А3
    EP 403062
                          В1
                                19950118
         R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE
                                                                    19890616
    US 5106523
                          Α
                                19920421
                                            US 1989-367375
                                                                    19900430
                                            ES 1990-304660
     ES 2069006
                          Т3
                                19950501
                                            CA 1990-2016430
                                                                    19900511
     CA 2016430
                          AA
                                19901216
     CA 2016430
                          С
                                19941108
                                                                    19900529
     JP 03026796
                          A2
                                19910205
                                            JP 1990-137331
PRAI US 1989-367375
                          Α
                                19890616
IT
     13863-31-5, Phorwite RKH
     RL: USES (Uses)
        (fluorescent whiteners and thickening agents, peroxide bleach solution
        containing)
RN
     13863-31-5 CAPLUS
```

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-

disodium salt (9CI) (CA INDEX NAME)

hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-,

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 387 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1991:187411 CAPLUS

DN 114:187411

TI Influence of fluorescent whitening agents on silk phototendering and dye fading

AU Reagan, Barbara M.; Sarmadi, Abdolmajid; Easter, Elizabeth P.; Crews, Patricia C.; Ladisch, Christine M.; Johnson, Diana G.; Dale, Arthur; Laughlin, Joan M.; Orr, Cindy L.; Lattie, Robert K.

CS Kansas State Univ., Manhattan, KS, USA

SO Book of Papers - International Conference & Exhibition, AATCC (1989) 37-42 CODEN: BPIAEQ; ISSN: 0892-2713

DT Journal

LA English

IT 4193-55-9

RL: USES (Uses)

(fluorescent whiteners, silk phototendering in relation to)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

2 Na

PAGE 1-B

--- cн₂-- он

L4 ANSWER 388 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1991:181527 CAPLUS

DN 114:181527

TI Staining of fungal cell walls with fluorescent brighteners: flow-cytometric analysis

AU Hejtmanek, M.; Dolezel, J.; Holubova, I.

CS Fac. Med., Palacky Univ., Olomouc, 775 00, Czech.

SO Folia Microbiologica (Prague, Czech Republic) (1990), 35(5), 437-42 CODEN: FOMIAZ; ISSN: 0015-5632

DT Journal

LA English

IT 20579-01-5, Rylux BSP RL: ANST (Analytical study)

(staining of fungus cell walls by)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

L4 ANSWER 389 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1991:145644 CAPLUS

DN 114:145644

Jet-printing inks containing fluorescent brighteners ΤI

Kuwabara, Koji; Masuda, Yutaka IN

Agency of Industrial Sciences and Technology, Japan PA

Jpn. Kokai Tokkyo Koho, 6 pp. SO

CODEN: JKXXAF

DT Patent

Japanese LΑ

FAN.CNT 1

LWIN-CHI I				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 02202966	A2	19900813	JP 1989-22592	19890202
JP 06041572	B4	19940601		
PRAI JP 1989-22592		19890202		
OS MARPAT 114:145644		•		

IT 20579-01-5

RL: TEM (Technical or engineered material use); USES (Uses) (jet-printing inks containing, anticlogging storage-stable, with good legibility by UV irradiation and erasability by prolonged UV irradiation)

RN 20579-01-5 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-CN 1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 390 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1991:124956 CAPLUS

DN 114:124956

ΤI Aqueous suspensions of fluorescent brighteners containing polysaccharides for storage stability

IN Fringeli, Werner; Zelger, Josef

Ciba-Geigy A.-G., Switz.; Ciba Specialty Chemicals Holding Inc. PA

Eur. Pat. Appl., 11 pp. SO CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

	PA:	CENT	NO.			KINI	D	DATE			API	PLICATION N	10.	DATE
							-							
PI	ΕP	3853	74			A 1		1990	0905		EP	1990-10375	50	19900226
	ΕP	3853	74			В1		1994	0119					
	ΕP	3853	74			B2		2005	0112					
		R:	AT,	CH,	DE,	ES,	FR,	, GB,	IT,	LI				
	BR	9000	850			Α		1991	0205		BR	1990-850		19900222
	CA	2010	909			AA		1990	0831		CA	1990-20109	909	19900226
	CA	2010	909			С		2002	0122					
	ΑT	1004	84			E		1994	0215		ΑT	1990-10375	50	19900226
	ES	2048	343			Т3		1994	0316		ES	1990-10375	50	19900226
	US	5076	968			Α		1991	1231		US	1990-48569	95	19900227

JP 02266000 A2 19901030 JP 1990-46003 19900228
PRAI CH 1989-733 A 19890228

EP 1990-103750 A 19900226

OS MARPAT 114:124956

IT 16090-02-1

RL: USES (Uses)

(fluorescent brighteners, stable aqueous suspensions containing polysaccharides

and)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

- L4 ANSWER 391 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1991:124740 CAPLUS
- DN 114:124740
- TI Carbon-13 NMR study of the cellulose-brightener complex from Acetobacter-cultures in the presence of a fluorescent brightener
- AU Kai, Akira; Horii, Fumitaka; Hirai, Asako
- CS Fac. Technol., Tokyo Metrop. Univ., Tokyo, 158, Japan
- SO Makromolekulare Chemie, Rapid Communications (1991), 12(1), 15-18 CODEN: MCRCD4; ISSN: 0173-2803
- DT Journal
- LA English
- IT 132663-92-4

RL: USES (Uses)

(of bacterial origin, structure of, NMR study of)

RN 132663-92-4 CAPLUS

CN Cellulose, compd. with 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzenesulfonic acid] (9CI) (CA INDEX NAME)

CM 1

CRN 9004-34-6

CMF Unspecified

CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 4404-43-7

CMF C40 H44 N12 O10 S2

PAGE 1-B

— cн₂- он

L4 ANSWER 392 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1991:104196 CAPLUS

DN 114:104196

TI Influence of fluorescent whitening agents on silk phototendering and dye fading

AU Anon.

CS USA

SO Textile Chemist and Colorist (1990), 22(5), 17-21 CODEN: TCCOB6; ISSN: 0040-490X

DT Journal

LA English

IT 4193-55-9

RL: USES (Uses)

(silk fluorescently brightened with, dye fading and phototendering of)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

PAGE 1-B

— cн₂- он

L4 ANSWER 393 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1991:83877 CAPLUS

DN 114:83877

TI Drastic photo-stabilization of 4,4'-diaminostilbene 2,2'-disulfonates in micellar solutions

AU Seguchi, Kazuyoshi; Tanaka, Satoko; Ebara, Yoshiko; Yoshida, Junko

CS Dep. Text. Sci., Mukogawa Women's Univ., Nishinomiya, 663, Japan

SO Mukogawa Joshi Daigaku Kiyo, Kaseigakubu-hen (1989), 37, 31-4 CODEN: MJDKE8; ISSN: 0389-5831

DT Journal

LA English

IT 17958-73-5

RL: PROC (Process)

(photostabilization of, by pyridinium cationic micelles)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

NH-СH2-СH2-ОН

L4 ANSWER 394 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1991:64266 CAPLUS

DN 114:64266

TI Preparation of stilbene triazine derivatives as fluorescent brighteners

IN Noll, Bernd; Kipping, Wolfgang; Raschke, Dieter; Krausse, Herbert; Keil, Siegfried

PA VEB Chemiekombinat Bitterfeld, Ger. Dem. Rep.

10/519,031

SO Ger. (East), 5 pp.

CODEN: GEXXA8

DT Patent

LA German

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

DD 276476

PI DD 276476

PAI DD 1988-321170

PAI DD 1988-321170

PAI DD 1988-321170

PAI DD 1988-321170

PRAI DD 1988-321170 OS MARPAT 114:64266

IT 4193-55-9P 16090-02-1P 17958-73-5P

RL: PREP (Preparation)

(fluorescent brighteners, manufacture of, in high purity)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

- CH₂- OH

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

17958-73-5 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A NHPh NHPh SO3H SO3H CH=CH

Na

PAGE 1-B

¬ NH− CH2− CH2− OH

ANSWER 395 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1991:45544 CAPLUS AN

DN 114:45544

Storage-stable liquid compositions containing fluorescent brighteners for ΤI

IN Chavannes, Jean Pierre; Forrer, Rolf Heinz

PA Sandoz-Patent-G.m.b.H., Germany

SO Ger. Offen., 6 pp.

CODEN: GWXXBX

DTPatent

LΑ German

FAN.	CNT 1				
	PATENT NO.	· KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 3844341	A1 ·	19900705	DE 1988-3844341	19881230
	EP 376893	A2	19900704	EP 1989-810985	19891227
	EP 376893	A3	19910807		
	R: BE, CH, D	E, FR, GB	, IT, LI, NL		
	JP 02227497	A2	19900910	JP 1989-336815	19891227
PRAI	DE 1988-3844341	Α	19881230		
os	MARPAT 114:45544		•		
ΙT	27344-06-5 32694-	95-4			
	RL: USES (Uses)			·	

(fluorescent brighteners, liquid detergents and fabric softeners containing, storage-stable)

RN27344-06-5 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-amino-3-CN oxopropyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

 $HO-CH_2-CH_2$

____NHPh

— CH₂— CH₂— C— NH₂
||
0

RN 32694-95-4 CAPLUS

 $HO-CH_2-CH_2$

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

Me-CH-CH₂-NH NH SO₃H HO₃S NH

●2 Na

PAGE 1-B

L4 ANSWER 396 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1990:554201 CAPLUS

DN 113:154201

TI Exhaustion, photostability, and photosensitizing properties of triazinylaminostilbene fluorescent brightening agents on cotton

AU Hurd, Rebecca P.; Reagan, Barbara M.

CS Dep. Clothing, Text. Inter. Des., Kansas State Univ., Manhattan, KS, 66506, USA

SO Journal of the Society of Dyers and Colourists (1990), 106(2), 49-54 CODEN: JSDCAA; ISSN: 0037-9859

DT Journal

LA English

IT 4404-43-7 52435-15-1

RL: USES (Uses)

(exhaustion, photostability and photosensitizing properties of, on cotton)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

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RN 52435-15-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-

hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

— cн₂- он

L4 ANSWER 397 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1990:547660 CAPLUS

DN 113:147660

TI Detection of chitin deacetylase activity after polyacrylamide gel electrophoresis

AU Trudel, Jean; Asselin, Alain

CS Fac. Sci. Agric. Aliment., Univ. Laval, Quebec, QC, G1K 7P4, Can.

SO Analytical Biochemistry (1990), 189(2), 249-53 CODEN: ANBCA2; ISSN: 0003-2697

DT Journal

LA English

IT 4193-55-9

RL: BIOL (Biological study)

(chitin deacetylase detection in gels with, after PAGE)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

PAGE 1-B

— cн₂- он

ANSWER 398 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1990:534681 CAPLUS AN

DN 113:134681

Thickened per acid precursor compositions, especially for use in TI laundering

Farr, James P.; Carty, Daniel T. IN

Clorox Co., USA PA

U.S., 14 pp. Cont.-in-part of U.S. 4,764,302. SO CODEN: USXXAM

Patent DT

English LΑ

FAN.	CNT 3				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	US 4900469	 A	19900213	US 1988-212831	19880629
LI	US 4772290	A	19880920	US 1986-838148	19860310
	US 4764302	A	19880816	US 1986-921281	19861021
PRAI	US 1986-838148	A2	19860310		
	US 1986-921281	A2	19861021		
os	MARPAT 113:134681				
IT	13863-31-5, Tinopal	5BM XC			
	RL: USES (Uses)				
	(fluorescent whi	teners,	thickening	by surfactant and, o	f per acid

precursor compns.) 13863-31-5 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-CN hydroxyethyl) methylamino] -6- (phenylamino) -1, 3, 5-triazin-2-yl] amino] -, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 399 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1990:512141 CAPLUS

DN 113:112141

TI Cell size specific binding of the fluorescent dye calcofluor to budding yeast

AU Moore, Susan A.

CS Dep. Chem. Biochem., California State Univ., Fullerton, CA, USA

SO Biochimica et Biophysica Acta, General Subjects (1990), 1035(2), 206-13 CODEN: BBGSB3; ISSN: 0304-4165

DT Journal

LA English

RN

4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

🕽 2. Na

PAGE 1-B

-- cн₂-- он

ANSWER 400 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

AN 1990:201166 CAPLUS

DN 112:201166

ΤI Liquid laundry detergent containing optical brighteners with reduced tendency to cause spotting of fabrics

Joellenbeck, Martin; Eckhardt, Claude IN

Ciba-Geigy A.-G., Switz. PA

Eur. Pat. Appl., 12 pp. so

CODEN: EPXXDW

DTPatent

LΑ German

FAN.CNT 1

T.771.	CIVI				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 350449	A2	19900110	EP 1989-810494	19890629
	EP 350449	A3	19901024		
	R: BE, CH, DE,	ES, FR	, GB, IT, LI	, NL	
	AU 8937969	A 1	19900111	AU 1989-37969	19890707
	AU 612049	B2	19910627		
	JP 02073900	A2	19900313	JP 1989-174364	19890707
	US 5167871	Α	19921201	US 1991-704660	19910520
PRAI	CH 1988-2618	Α	19880708	•	
	US 1989-376108	B1	19890706		
TΨ	16090-02-1			•	

IT 16090-02-1

RL: USES (Uses)

(fluorescent brighteners, liquid detergents containing, stable, nonspotting)

RN16090-02-1 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 401 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1990:200610 CAPLUS

DN 112:200610

TI Manufacture of spray-dried, free-flowing dye or optical brightener granulates

IN Neumann, Konrad; Hayer, Angelika; Rehmann, Wolfgang; Bruecker, Horst Olaf

PA Ciba-Geigy A.-G., Switz.

SO Eur. Pat. Appl., 11 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND D	ATE A	APPLICATION NO.	DATE
ΡI	EP 345765	A1 1	 9891213 E	 EP 1989-110320	19890607
	EP 345765		9930804	SF 1909-110320	19090007
	R: CH, DE, ES,	FR, GB,	IT, LI		
	US 5030244	A 19	9910709 t	JS 1989-360560	19890602
	CA 1334239	A1 19	9950207 (CA 1989-601876	19890606
	BR 8902677	A 19	9900123 E	BR 1989-2677	19890607
	ZA 8904302	A 19	9900228 2	ZA 1989-4302	19890607
	ES 2058392	T3 19	9941101 E	ES 1989-110320	19890607
	JP 02032166	A2 19	9900201 3	JP 1989-146545	19890608
PRAI	CH 1988-2180	A 19	9880608		
IT	16090-02-1				

RL: PROC (Process)

(spray-drying of, for preparation of free-flowing granulates with reduced moisture content)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

10/519,031

- L4 ANSWER 402 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1990:194711 CAPLUS
- DN 112:194711
- TI High contrast resolution of the mycelia of pathogenic fungi in corn tissue after staining with Calcofluor and destaining with cellulase
- AU Trese, A. T.; Loschke, D. C.
- CS Dep. Plant Pathol., Univ. Missouri, Columbia, MO, 65211, USA
- SO Phytopathology (1990), 80(2), 196-200 CODEN: PHYTAJ; ISSN: 0031-949X
- DT Journal
- LA English
- IT 4193-55-9

RL: ANST (Analytical study)

(in pathogenic fungi detection in corn)

- RN 4193-55-9 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

- L4 ANSWER 403 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1990:173827 CAPLUS
- DN 112:173827
- TI The structural basis of the mutagenicity of chemicals in Salmonella typhimurium: The Gene-Tox data base
- AU Klopman, Gilles; Frierson, Manton R.; Rosenkranz, Herbert S.
- CS Dep. Chem., Case West. Reserve Univ., Cleveland, OH, 44106, USA
- SO Mutation Research (1990), 228(1), 1-50 CODEN: MUREAV; ISSN: 0027-5107
- DT Journal
- LA English
- IT 24231-46-7 52435-15-1
 - RL: ADV (Adverse effect, including toxicity); BIOL (Biological study)
 (mutagenicity of, Computer Automated Structure Evaluation for study of
 structural determinants in relation to)
- RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 52435-15-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

— cн₂- он

L4ANSWER 404 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN ΑN 1990:160487 CAPLUS DN 112:160487 ΤI Amino-functional organosilicon fluorescent brighteners IN Lo, Peter Yin Kwai PA Dow Corning Corp., USA SO Eur. Pat. Appl., 18 pp. CODEN: EPXXDW DT Patent LA English FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

INDEX NAME)

PI	ΕP	336709		A2	19891011	ΕP	1989-303313	19890404	
	EΡ	336709		A3	19901010				
		R: DE,	FR, GB,	SE					
	US	4866152		Α	19890912	US	1988-176967	19880404	
	CA	1337524		A1	19951107	CA	1989-593742	19890315	
	JP	02011662		A2	19900116	JP	1989-81653	19890403	
	JР	2542077		B2	19961009				
	ES	2012698		A 6	19900401	ES	1989-1162	19890403	
	ÚS	4962177		Α	19901009	US	1989-347705	19890505	
PRAI	US	1988-1769	67	Α	19880404				
os	MAF	RPAT 112:1	60487						
IT	440	04-43-7DP,	reaction	n produ	ucts with an	nino	alkyl-functional		
	org	ganosilico	n compds						
	RL:	PREP (Pr	eparation	n)				•	
		(manufact	ure of,	as fluo	orescent bri	ight	eners)		
RN	440	04-43-7 C	APLUS			_			
CN	Ber	zenesulfo	nic acio	1, 2,2'-	-(1,2-ethene	ediy	l)bis[5-[[4-[bis(2-		
	hyc	droxyethyl)amino]-	6-(pher	nylamino)-1,	, 3 , 5.	-triazin-2-yl]amino]	- (9CI) (C	A

PAGE 1-B

— cн₂- он

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L4
     ANSWER 405 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
AN
     1990:157155 CAPLUS
DN
     112:157155
ΤI
     Bacteria in thin soil sections stained with the fluorescent brightener
     calcofluor white M2R
ΑU
     Postma, J.; Altemueller, H. J.
CS
     Res. Inst. Ital, Wageningen, 6700 AA, Neth.
SO
     Soil Biology & Biochemistry (1990), 22(1), 89-96
     CODEN: SBIOAH; ISSN: 0038-0717
DT
     Journal
LA
     English
IT
     4193-55-9, Calcofluor white M2R
     RL: BIOL (Biological study)
        (bacteria staining in thin soil sections with)
RN
     4193-55-9 CAPLUS
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-
CN
```

hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

ANSWER 406 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4ΑN 1990:141796 CAPLUS 112:141796 DN Enzyme detergents containing fluorescent brighteners ΤI Suzuki, Satoru; Yokosuka, Michio ΙN Kao Corp., Japan PA Jpn. Kokai Tokkyo Koho, 7 pp. SO CODEN: JKXXAF DTPatent LА Japanese FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO.

DATE _____ PΙ JP 63063795 A2 19880322 JP 1986-207141 19860903 PRAI JP 1986-207141 19860903 os MARPAT 112:141796 IT 13863-31-5 16090-02-1 24019-80-5 RL: USES (Uses) (fluorescent brighteners, laundry detergents containing) RN 13863-31-5 CAPLUS Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-CN hydroxyethyl) methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

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RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6- (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

RN 24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B



ANSWER 407 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1990:108449 CAPLUS ΑN

DN 112:108449

ΤI Color developer solution containing 1,2-bis[2-sulfonyl-4-(1,2,4-triazin-2ylamino)phenyl]ethylenes as fluorescent brighteners and hydrazines as preservatives

Okuda, Jun; Ishikawa, Takatoshi; Fujimoto, Hiroshi IN

Fuji Photo Film Co., Ltd., Japan PΑ

Jpn. Kokai Tokkyo Koho, 38 pp. SO CODEN: JKXXAF

Patent DT

LΑ Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	JP 01186948	A2	19890726	JP 1988-11290	19880121
PRA	AI JP 1988-11290		19880121		
IT	120698-78-4				

Ι

RL: USES (Uses)

(fluorescent brightener, for color photog. developer solution)

120698-78-4 CAPLUS RN

CN carboxyphenyl)amino]-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]-3sulfophenyl]amino]-6-[(2-sulfophenyl)amino]-1,3,5-triazin-2-yl]amino]-, trisodium salt (9CI) (CA INDEX NAME)

3 Na

PAGE 1-B

L4 ANSWER 408 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1990:66587 CAPLUS

DN 112:66587

TI Silver halide photographic emulsion

IN Ikeda, Tadashi; Takei, Haruo

PA Fuji Photo Film Co., Ltd., Japan

salt (9CI) (CA INDEX NAME)

SO Jpn. Kokai Tokkyo Koho, 27 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
PI	JP 01124844	A2	19890517	JP 1987-282883	19871109		
PRAI	JP 1987-282883		1 98 71109				
IT	125035-99-6						
	RL: USES (Uses)						
	(photog. emulsion containing ascorbic acid and dye sensitizer and)						
RN	125035-99-6 CAPLUS						
CN	Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(4-methylphenyl)amino]-6-(propylamino)-1,3,5-triazin-2-yl]amino]-, disodi						

●2 Na

PAGE 1-B

L4 ANSWER 409 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1990:58170 CAPLUS

DN 112:58170

TI Storage-stable dispersions of fluorescent brightener mixtures

IN Anceschi, Italo; Fringeli, Werner; Jollenbeck, Martin; Mahler, Georges;
 Schurings, Willy

PA Ciba-Geigy A.-G., Switz.

SO Eur. Pat. Appl., 31 pp. CODEN: EPXXDW

salt (9CI) (CA INDEX NAME)

DT Patent

LA German

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 323399	A1	19890705	EP 1988-810794	19881118
	EP 323399	B1	19930217		
	R: CH, DE, ES,	FR, GB	, IT, LI		
	ES 2053807	Т3	19940801	ES 1988-810794	19881118
	JP 01170659	A2	19890705	JP 1988-293742	19881122
	US 5051111	Α	19910924	US 1988-275231	19881122
	BR 8806219	Α	19890815	BR 1988-6219	19881125
RAI	CH 1987-4630	Α	19871127		
T	4193-55-9				
	RL: USES (Uses)				
	(fluorescent bri	ghtener	s, storage-	stable dispersions con	taining)
N	4193-55-9 CAPLUS	_		-	_
N				ediyl)bis[5-[[4-[bis(2: ,3,5-triazin-2-yl]amin	

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

```
ANSWER 410 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
     1989:644134 CAPLUS
AN
DN
     111:244134
ΤI
     Processing of color photographic material
IN
     Ishikawa, Takatoshi; Ueda, Shinji
PA
     Fuji Photo Film Co., Ltd., Japan
so
     Jpn. Kokai Tokkyo Koho, 33 pp.
     CODEN: JKXXAF
DT
     Patent
LΑ
     Japanese
FAN.CNT 1
     PATENT NO.
                         KIND
                                DATE
                                            APPLICATION NO.
                                                                    DATE
     -------
ΡI
     JP 01062642
                          A2
                                19890309
                                             JP 1987-219174
                                                                    19870903
     JP 07111571
                          B4
                                19951129
PRAI JP 1987-219174
                                19870903
     120698-78-4
     RL: USES (Uses)
```

RN 120698-78-4 CAPLUS
CN Benzoic acid, 4-[[4-[[4-[4-[4-[bis(2-hydroxyethyl)amino]-6-[(4-carboxyphenyl)amino]-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]-3-

carboxyphenyl)amino]-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]-3sulfophenyl]amino]-6-[(2-sulfophenyl)amino]-1,3,5-triazin-2-yl]amino]-,
trisodium salt (9CI) (CA INDEX NAME)

(fluorescent brightener, photog. bleach-fixing solution containing)

●3 Na

PAGE 1-B

L4 ANSWER 411 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1989:544192 CAPLUS

DN 111:144192

 ${\tt TI}$ Recording sheets containing a fluorescent brightening agent and a color dye in the support

IN Tajiri, Masanao; Shinko, Kazuyuki; Shioi, Shunsuke; Myake, Akira

PA Kanzaki Paper Mfg. Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp. CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PΙ

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
	JP 01082982	A2	19890328	JP 1987-241626	19870925		
ד ת כ	TD 1007 241626		10070025				

PRAI JP 1987-241626 IT 17958-73-5, C.I.

17958-73-5, C.I. Fluorescent Brightener 85

RL: USES (Uses)

(pressure-sensitive recording material containing, for high quality image, Whitex BK Conc)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

PAGE 1-B

~ NH- CH2- CH2- OH

ANSWER 412 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1989:536495 CAPLUS AN

111:136495 DN

Stable liquid detergent compositions containing quaternary ammonium TI compounds as fabric softeners

IN Maaser, Heidrun E.

Colgate-Palmolive Co., USA PA

Eur. Pat. Appl., 11 pp. SO

CODEN: EPXXDW

DTPatent

English LΑ

EAM CMT 1

PAN.CNT I				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 315126	A2	19890510	EP 1988-118188	19881102
EP 315126	A3	19900321		
R: BE, CH, DE,	FR, GB	, IT, LI, NL		
AU 8824617	A1	19890511	AU 1988-24617	19881102
AU 619502	B2	19920130		
DK 8806188	Α	19890506	DK 1988-6188	19881104
CA 1315638	A 1	19930406	CA 1988-582264	19881104
US 5151223	Α	19920929	US 1990-517469	19900307
PRAI US 1987-117274	Α	19871105		
OS MARPAT 111:136495				

ΙT 4193-55-9, Tinopal UNPA

RL: USES (Uses)

(fluorescent brighteners, Tinopal UNPA, liquid detergents containing cationic

fabric softeners and, stable)

4193-55-9 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 413 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1989:536475 CAPLUS

DN 111:136475

TI Factors affecting fluorescent whitening agent performance in heavy duty liquids [HDLs]

AU Lee, F.

CS Ciba-Geigy A.-G., Basel, Switz.

SO Comunicaciones presentadas a la Jornadas del Comite Espanol de la Detergencia (1989), 20, 83-106 CODEN: CJCDD7; ISSN: 0212-7466

DT Journal

LA English

IT 16090-02-1

RL: USES (Uses)

(processability, chemical stability and compatibility of, in liquid laundry detergent formulations)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

10/519,031

L4 ANSWER 414 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1989:498908 CAPLUS

DN 111:98908

TI Selective dyeing of polyester-cellulose blended yarn fabrics

IN Izutsu, Kyoto

PA Kinugawa Rubber Industry Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 4 pp. CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63282382	A2	19881118	JP 1987-115994	19870514
PRAI	JP 1987-115994		19870514	•	

OS MARPAT 111:98908

IT 24231-46-7 122160-80-9 122160-82-1

RL: USES (Uses)

(in selective dyeing of polyester fibers in blends with cotton)

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 122160-80-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(4-methylphenyl)amino]-6-[(2-sulfoethyl)amino]-1,3,5-triazin-2-yl]amino]-(9CI) (CA INDEX NAME)

PAGE 1-B

122160-82-1 CAPLUS RN

Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-CN [(carboxymethyl)amino]-1,3,5-triazine-4,2-diyl]imino]]bis- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

ANSWER 415 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1989:441851 CAPLUS AN

DN 111:41851

ΤI Fluorescent brightener-containing liquid detergents which do not cause spotting of fabrics

Schuessler, Ulrich; Seng, Florin IN

Bayer A.-G., Fed. Rep. Ger. PA

Eur. Pat. Appl., 9 pp. SO CODEN: EPXXDW

Patent

LΑ German

DT

FAN	CNT 1				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PΙ	EP 302340	A2	19890208	EP 1988-111936	19880725
	EP 302340	A3	19891018		
	EP 302340	B1	19921111		
	R: CH, DE, FR,	GB, LI			
	DE 3726266	A1	19890223	DE 1987-3726266	19870807
	US 4946628	Α	19900807	US 1988-219685	19880715
	JP 01062400	A2	19890308	JP 1988-194711	19880805
PRA	DE 1987-3726266	Α	19870807		
os	MARPAT 111:41851				
ΙT	121580-05-0 121580-	06-1 12	1580-07-2		
	121580-10-7 121580-	11-8 12	1580-17-4		
	121602-94-6				
	RL: USES (Uses)				
	(fluorescent bri	ghtener	s, liquid	detergents containing,	nonspotting)
TARE	101500 05 0 0555	-	•	J.	• •

RN 121580-05-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(2,6-dimethyl-4morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

$$-\bigvee_{\mathsf{Me}}^{\mathsf{Me}}$$

RN 121580-06-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(phenylamino)-6-(1-pyrrolidinyl)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 121580-07-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(2,6-dimethyl-1-piperidinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 121580-10-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-[[3-(trifluoromethyl)phenyl]amino]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

RN 121580-11-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-[[4-(trifluoromethoxy)phenyl]amino]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

F3C-O

NH
NH
NH
NH
CH
CH
CH
SO3H
SO3H

PAGE 1-B

RN 121580-17-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(phenylamino)-6-[(2-phenylethyl)amino]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

 \sim NH-CH₂-CH₂-Ph

RN 121602-94-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(2-methyl-1-piperidinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 416 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1989:441836 CAPLUS

DN 111:41836

TI Sodium aluminum silicates in the washing process. Part X. Cobuilders and optical brighteners

AU Schwuger, M. J.; Liphard, M.

CS Henkel KGaA, Duesseldorf, D-4000/1, Fed. Rep. Ger.

SO Colloid and Polymer Science (1989), 267(4), 336-44 CODEN: CPMSB6; ISSN: 0303-402X

DT Journal

LA English

IT 16090-02-1, Blankophor MBBH

RL: USES (Uses)

(laundry detergent compns. containing, interactions in)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 417 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1989:224619 CAPLUS

DN 110:224619

TI Processing of silver halide color photographic material

IN Ishikawa, Takatoshi; Fujimoto, Hiroshi

PA Fuji Photo Film Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 43 pp.

CODEN: JKXXAF

DT Patent LA Japanese

FAN.CNT 1

TAN. CNI I							
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE			
		,					
PI JP 63204257	A2	19880823	JP 1987-37350	19870220			
JP 07011696	B4	19950208					
US 4900651	Α	19900213	US 1988-158972	19880222			
PRAI JP 1987-37350	Α	19870220					
OS MARPAT 110.224619							

OS MARPAT 110:224619

IT 120698-78-4

RL: ANST (Analytical study)

(fluorescent brighteners, color photog. developer solution containing)

RN 120698-78-4 CAPLUS

CN Benzoic acid, 4-[[4-[[4-[2-[4-[[4-[bis(2-hydroxyethyl)amino]-6-[(4-carboxyphenyl)amino]-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]-3-sulfophenyl]amino]-6-[(2-sulfophenyl)amino]-1,3,5-triazin-2-yl]amino]-, trisodium salt (9CI) (CA INDEX NAME)

HO2C NH NH NH CH CH CH
$$\sim$$
 NH \sim NH

PAGE 1-B

L4 ANSWER 418 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1989:188705 CAPLUS

DN 110:188705

TI Quantification of high molecular weight (1 \rightarrow 3)(1 \rightarrow 4)- β -D-glucan using Calcofluor complex formation and flow injection analysis. I. Analytical principle and its standardization

AU Joergensen, Kim G.

CS Dep. Biotechnol., Carlsberg Res. Lab., Copenhagen, DK-2500, Den.

SO Carlsberg Research Communications (1988), 53(5), 277-85 CODEN: CRCODS; ISSN: 0105-1938

DT Journal

LA English

IT 4193-55-9

RL: ANST (Analytical study)

(in high-mol.-weight glucan determination in barley by automated flow injection

anal.)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

•2 Na

PAGE 1-B

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L4 ANSWER 419 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN AN 1989:179148 CAPLUS

10/519,031

DN 110:179148

TI Determination of fluorescent whitening agents in river water by high performance liquid chromatography

AU Tsuji, Kiyomi; Naito, Syoji; Nakazawa, Hiroyuki

CS Kanagawa Prefect. Public Health Lab., Yokohama, 241, Japan

SO Eisei Kagaku (1988), 34(6), 501-7 CODEN: ESKGA2; ISSN: 0013-273X

DT Journal

LA Japanese

IT 56776-30-8 60316-97-4 120066-31-1 120066-32-2

RL: ANT (Analyte); ANST (Analytical study) (determination of, in river water, HPLC in)

RN 56776-30-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1E)-1,2-ethenediylbis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Double bond geometry as shown.

●2 Na

RN 60316-97-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

●2 Na

RN 120066-31-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

RN 120066-32-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

●2 Na

PAGE 1-B



L4 ANSWER 420 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1989:175532 CAPLUS

DN 110:175532

- Influence on the color change of dyed fabrics by washing with FBA-built TI detergent. Colorimetric investigation
- Saito, Emi; Takahashi, Mutsuko; Hayashi, Masako ΑU
- Bunka Women's Univ., Tokyo, Japan CS
- Sen'i Seihin Shohi Kagaku (1988), 29(9), 391-7 SO CODEN: SESKB9; ISSN: 0037-2072
- Journal DT
- Japanese LА
- 16090-02-1 IT

RL: USES (Uses)

(fluorescent brightening agents, detergents built with, fabric color changes in relation to)

- RN 16090-02-1 CAPLUS
- Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

- ANSWER 421 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4
- 1989:163712 CAPLUS AN
- 110:163712 DN
- ΤI Information device
- Greenwood, David IN
- Imperial Chemical Industries PLC, UK PA
- SO Eur. Pat. Appl., 9 pp.
 - CODEN: EPXXDW
- DΤ Patent

LA FAN	English CNT 1				
ran.	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 291214	A2	19881117	EP 1988-303954	19880429
	EP 291214	A3	19910424		
	EP 291214	B1	19920812		
	R: AT, BE, CH,	DE, ES	, FR, GB, GR	R, IT, LI, LU, NL, SE	
	AT 79424	E	19920815	AT 1988-303954	19880429
	ES 2042740	Т3	19931216	ES 1988-303954	19880429
	US 4904507	Α	19900227	US 1988-191972	19880509
	JP 63286391	A2	19881124	JP 1988-112694	19880511
PRAI	GB 1987-11105	Α	19870511		
	EP 1988-303954	Α	19880429		
IT	4193-55-9				
	RL: USES (Uses)				
	(inks containing	for pr	inting invis	ible image)	

salt (9CI) (CA INDEX NAME)

- RN 4193-55-9 CAPLUS
- Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂— он

ANSWER 422 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

AN 1989:97598 CAPLUS

DN 110:97598

ΤI Substitutes for bleaching agents in laundry detergents

Chavannes, Jean Pierre IN

Sandoz-Patent-G.m.b.H., Fed. Rep. Ger. PA

Ger. Offen., 7 pp. SO

CODEN: GWXXBX

DT Patent

LА German

FAN.		,			
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
					-
ΡĪ	DE 3812455	A1	19881027	DE 1988-3812455	19880414
	GB 2203751	A1	19881026	GB 1988-8529	19880412
	GB 2203751	B2	19901107		
	CH 678678	A3	19911031	CH 1988-1347	19880412
	CH 678678	В	19920430		
	FR 2614036	A 1	19881021	FR 1988-4984	19880413
	FR 2614036	B1	19900727		
	JP 63273699	A2	19881110	JP 1988-90434	19880414
PRAI	DE 1987-3712746	A1	19870415		
	GB 1987-26258	Α	19871110		
IT	56776-30-8				

RL: USES (Uses)

(fluorescent brighteners, detergents containing fabric softeners and)

RN56776-30-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1E)-1,2-ethenediylbis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Double bond geometry as shown.

2 Na

L4ANSWER 423 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

ΑN 1989:97175 CAPLUS

DN 110:97175

Manufacture of fluorescent brightening agents, derivatives of ΤI triazine-diaminostilbenedisulfonic acid

Rzeszowski, Jerzy; Bankowski, Leszek; Rudzinska, Benita; Graczyk, Bernard; IN Kalinowski, Jan

PA Instytut Przemyslu Organicznego, Pol.

SO Pol., 5 pp.

CODEN: POXXA7

DTPatent

Polish LΑ

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	PL 131828	B1	19850131	PL 1982-234832	19820126
PRAI	PL 1982-234832		19820126		
IT	16090-02-1P				
	/		•		

RL: PREP (Preparation)

(manufacture of, as fluorescent brightener for cellulosic fabrics or paper)

RN 16090-02-1 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

L4 ANSWER 424 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1989:93460 CAPLUS

DN 110:93460

TI Quantification of high molecular weight $(1\rightarrow 3)$ $(1\rightarrow 4)$ - β -D-glucan using Calcofluor complex formation and flow injection analysis. II. Determination of total β -glucan content of barley and malt

AU Joergensen, Kim G.; Aastrup, Sten

CS Dep. Biotechnol., Carlsberg Res. Lab., Copenhagen, DK-2500, Den.

SO Carlsberg Research Communications (1988), 53(5), 287-96 CODEN: CRCODS; ISSN: 0105-1938

DT Journal

LA English

IT 4193-55-9

RL: BIOL (Biological study)

(in β -glucan determination, in barley and malt)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 425 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1988:633225 CAPLUS

DN 109:233225

TI Concentrated liquid fabric softener with whitener

IN Fox, Daniel Joseph; Sullivan, Mary Elizabeth; Cuomo, Anthony John

PA Unilever PLC, UK; Unilever N. V.

SO Eur. Pat. Appl., 14 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

10/519,031

US 4772404 A 19880920 US 1986-946559 19861224

PRAI US 1986-946559 A 19861224

OS MARPAT 109:233225

IT 4193-55-9 13863-31-5

RL: USES (Uses)

(fluorescent whiteners, liquid fabric softener concs. containing)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

2 Na

PAGE 1-B

— cн₂- он

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

— cн₂- он

L4ANSWER 426 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

1988:632392 CAPLUS AN

DN 109:232392

ΤI Optical brighteners in adhesives for wallpaper

IN Hoffmann, Heinz Peter; Eberhardt, Werner; Wegner, Juergen

PA Henkel K.-G.a.A., Fed. Rep. Ger.

Ger. Offen., 4 pp. SO CODEN: GWXXBX

DTPatent

LΑ German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 3701920.	A1	19880804	DE 1987-3701920	19870123
	DE 3701920	C2	20031009		
	EP 275937	A2	19880727	EP 1988-100505	19880115
	EP 275937	A3	19890510		•
	R: AT, BE, DE,	FR, GB	, NL	•	
PRAI	DE 1987-3701920	Α	19870123		
os	MARPAT 109:232392		•		

IT 24231-46-7

RL: USES (Uses)

(fluorescent brighteners, for discoloration-resistant adhesives for wallpaper)

24231-46-7 CAPLUS RN

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

- L4ANSWER 427 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- 1988:612620 CAPLUS AN
- DN 109:212620
- TI Coatings for paper containing optical brighteners
- IN Koll, Jochen; Mueller, Friedhelm; Bieber, Werner; Koenig, Joachim; Eckstein, Udo; Theidel, Hans

Bayer A.-G., Fed. Rep. Ger.

SO Ger. Offen., 9 pp.

CODEN: GWXXBX

DTPatent

German LΑ FAN.CNT 1

CAM.	NI I				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 3643215	A1	19880630	DE 1986-3643215	19861218
	EP 274666	A1	19880720	EP 1987-118124	19871208
	EP 274666	B1	19920325		
	R: CH, DE, FR,	GB, IT	, LI, NL, SE		
	JP 63165596	A2	19880708	JP 1987-311145	19871210
	US 4888128	Α	19891219	US 1987-131780	19871211
	FI 8705517	Α	19880619	FI 1987-5517	19871216
	FI 87378	В	19920915		
	FI 87378	С	19921228		
PRAI	DE 1986-3643215	Α	19861218		
os	MARPAT 109:212620				

IT 84293-05-0 84293-07-2 84293-11-8

84293-12-9

RL: USES (Uses)

(optical brighteners, water-insol., for coatings for paper)

RN 84293-05-0 CAPLUS

CN Benzenemethanaminium, N,N-dimethyl-N-phenyl-, salt with 2,2'-(1,2-ethenediyl) bis [5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5triazin-2-yl]amino]benzenesulfonic acid] (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 82584-34-7

C40 H38 N12 O8 S2

CM 2

CRN 22444-88-8 CMF C15 H18 N

RN 84293-07-2 CAPLUS

CN Benzenemethanaminium, N,N-dimethyl-N-phenyl-, salt with 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzenesulfonic acid] (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 82574-77-4

CMF C40 H42 N12 O10 S2

PAGE 1-A

PhNH NHPh NHPh NHPh
$$N = CH = CH = CH = CH = CH_2 + CH_2$$

PAGE 1-B

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CM 2

CRN 22444-88-8 CMF C15 H18 N

$$\begin{array}{c} \text{Ph} \\ \mid \\ \downarrow \\ \text{Me} - \text{N} \xrightarrow{+} \text{CH}_2 - \text{Ph} \\ \mid \\ \text{Me} \end{array}$$

RN 84293-11-8 CAPLUS

CN Benzenemethanaminium, N,N-dimethyl-N-phenyl-, salt with 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzenesulfonic acid] (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 84293-10-7

CMF C34 H30 N12 O6 S2

CM 2

CRN 22444-88-8 CMF C15 H18 N

RN 84293-12-9 CAPLUS

CN Benzenemethanaminium, N-dodecyl-N,N-dimethyl-, salt with 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzenesulfonic acid] (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 82584-34-7 CMF C40 H38 N12 O8 S2

CM 2

CRN 10328-35-5 CMF C21 H38 N

$$\begin{array}{c} & \text{Me} \\ | \\ | \\ + \\ \text{Ph-CH}_2 - \text{N} \xrightarrow{+} (\text{CH}_2)_{11} - \text{Me} \\ | \\ | \\ \text{Me} \end{array}$$

L4 ANSWER 428 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1988:579718 CAPLUS

DN 109:179718

TI Secondary ion mass spectrometry of anionic dyes and their intermediates

ΑU Kawaguchi, Toshio; Saito, Kazuo

Osaka Lab., Sumitomo Chem. Co. Ltd., Osaka, 554, Japan Shitsuryo Bunseki (1988), 36(1), 23-30 CS

SO CODEN: SHIBAK; ISSN: 0542-8645

DTJournal

Japanese LΑ

21162-88-9 IT

RL: PRP (Properties)

(SIMS of)

RN21162-88-9 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-CN 1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4ANSWER 429 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

1988:572597 CAPLUS AN

DN 109:172597

ΤI Laundry detergents containing fluorescent whiteners

Nakamura, Yoshifumi IN

Kao Corp., Japan PA

Jpn. Kokai Tokkyo Koho, 5 pp. SO

CODEN: JKXXAF

DTPatent

Japanese LΑ

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	JP 63110299	A2	19880514	JP 1986-254897	19861027
	JP 04005079	В4	19920130		
PRAI	JP 1986-254897		19861027		
ΙT	13863-31-5 16090-02	-1 2401	.9-80-5		
	RL: USES (Uses)				

(fluorescent brightener, laundry detergents containing enzymes and)

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

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RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

RN 24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B



L4 ANSWER 430 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1988:551984 CAPLUS

DN 109:151984

TI Thickening system for cleaning products incorporating fluorescent whitening agents

IN Baker, Gregory M.; Farr, James P.; Carty, Daniel T.

PA Clorox Co., USA

SO Eur. Pat. Appl., 19 pp.

CODEN: EPXXDW

DT Patent

LA English

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 265041	A2	19880427	EP 1987-306859	19870803
	EP 265041	A3	19890125		
	EP 265041	B1	19921111		
	R: BE, CH, DE,	ES, FR	, GB, IT, LI	, LU, NL, SE	
	US 4764302	A	19880816	US 1986-921281	19861021
	CA 1337147	A 1	19951003	CA 1987-540603	19870625
	AU 8775797	A1	19880428	AU 1987-75797	19870717
	AU 590099	B2	19891026		
	ES 2053548	Т3	19940801	ES 1987-306859	19870803
	JP 63110294	A2	19880514	JP 1987-258486	19871015
	JP 2523339	B2	19960807		
PRAI	US 1986-921281	Α	19861021		
ΙT	13863-31-5				
	RL: USES (Uses)				
	/ - 1 - 1 - 1 1				\

(thickening systems containing, for cleaners and laundry products)

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

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L4 ANSWER 431 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
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AN 1988:546120 CAPLUS

DN 109:146120

TI Rhizobium meliloti mutants that overproduce the R. meliloti acidic Calcofluor-binding exopolysaccharide

AU Doherty, Daniel; Leigh, John A.; Glazebrook, Jane; Walker, Graham C.

CS Biol. Dep., Massachusetts Inst. Technol., Cambridge, MA, 02139, USA

SO Journal of Bacteriology (1988), 170(9), 4249-56 CODEN: JOBAAY; ISSN: 0021-9193

DT Journal

LA English

IT 4193-55-9

RL: BIOL (Biological study)

(polysaccharides binding, in Rhizobium meliloti, genetics in relation to)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

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L4 ANSWER 432 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1988:494740 CAPLUS

DN 109:94740

TI Generation of singlet oxygen and its interaction with optical brighteners

AU Studzinskii, O. P.; Grebenkina, V. M.; Ponomareva, R. P.; Rybnikova, T. M.

CS LIST, USSR

SO Zhurnal Prikladnoi Khimii (Sankt-Peterburg, Russian Federation) (1988), 61(6), 1271-6

CODEN: ZPKHAB; ISSN: 0044-4618

DT Journal

LA Russian

IT 20579-01-5

RL: USES (Uses)

(singlet oxygen generation by, chemical interaction and photodegrdn. in relation to)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 433 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1988:439615 CAPLUS

109:39615 DN

Upgrading of optical properties by fluorescent brighteners applied to ΤI papermaking stock

ΑU Masarykova, Maria; Naterova, Anna

Vysk. Ustav Pap. Celul., Bratislava, 815 20, Czech. CS

so Vyskumne Prace z Odboru Papiera a Celulozy (1986), 41 (V41-V63), V49-V52, Published in: Pap. Celul., 41(10) CODEN: VPPCAB; ISSN: 0139-5033

DT Journal

Slovak LΑ

IT 20579-01-5

RL: USES (Uses)

(fluorescent brighteners, for paper)

RN 20579-01-5 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-CN 1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Na

L4ANSWER 434 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

1988:434867 CAPLUS AN

109:34867 DN

Reagents and method for detection of fungi or algae in human and animal ΤI tissues and body fluids for diagnosis

PA Ciba-Geigy A.-G., Switz.

Jpn. Kokai Tokkyo Koho, 10 pp. SO

CODEN: JKXXAF

DTPatent

LΑ Japanese

FAN.CNT 1

7.4	AV. CNI I				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
P:	I JP 62231141	A2	19871009	JP 1987-64419	19870320
F.	JP 03021865	B4	19910325		19070320
	EP 243300	A2	19871028	EP 1987-810150	19870316
	EP 243300	A3	19891123		
	R: AT, BE, CH,	DE, ES	, FR, GB, (GR, IT, LI, LU, NL, SE	
	FI 8701194	Α	19870922	FI 1987-1194	19870318
	NO 8701169	Α	19870922	NO 1987-1169	19870320
	ZA 8702051	Α	19871028	ZA 1987-2051	19870320
	CN 87101986	Α	19871118	CN 1987-101986	19870322
Pl	RAI CH 1986-1141	Α	19860321		
I.	T 115220-18-3				

RL: ANST (Analytical study)

(whitening agent, in fungus or algae detection in biol. samples by staining-microscopy)

115220-18-3 CAPLUS RN

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2hydroxyethyl)amino]-6-[(4-methoxyphenyl)amino]-1,3,5-triazin-2-yl]amino]-,

sodium salt (9CI) (CA INDEX NAME)

●x Na

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ANSWER 435 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1988:414817 CAPLUS AN

DN 109:14817

Photosensitive recording element containing diaminostilbenedisulfonic acid TIderivative

IN Neumann, Peter; Wallbillich, Guenter

PA BASF A.-G., Fed. Rep. Ger.

Ger. Offen., 16 pp. so

CODEN: GWXXBX

DTPatent

German

LÁ

FAN.	CNT 1				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 3618373	A 1	19871203	DE 1986-3618373	19860531
	US 4894313	Α	19900116	US 1987-48751	19870512
	CA 1306383	A1	19920818	CA 1987-537409	19870519
	JP 62291633	A2	19871218	JP 1987-121442	19870520
	JP 2573224	B2	19970122		
	EP 248299	A2	19871209	EP 1987-107543	19870523
	EP 248299	A3	19880720		
	EP 248299	В1	19920304		
	R: BE, CH, DE,	ES, FF	R, GB, IT, LI	, NL	
	ES 2029239	Т3	19920801	ES 1987-107543	19870523
PRAI	DE 1986-3618373	Α	19860531		
ΙT	4404-43-7				

RL: USES (Uses)

(presensitized printing plates with antihalation layer containing)

RN4404-43-7 CAPLUS CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

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L4 ANSWER 436 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1988:169383 CAPLUS

DN 108:169383

TI Rylux fluorescent brighteners - manufacture, properties, and uses

AU Naterova, Anna; Masarykova, Maria; Cech, Vladimir

CS Vysk. Ustav Pap. Celul., Bratislava, 815 20, Czech.

SO Papir a Celuloza (1987), 42(5), 127-8 CODEN: PCELAU; ISSN: 0031-1421

DT Journal; General Review

LA Slovak

L4

IT 20579-01-5

RL: USES (Uses)

(fluorescent brighteners, for paper manufacture)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

AN 1988:133672 CAPLUS

DN 108:133672

TI Effectiveness of fluorescent brighteners in surface sizing

AU Naterova, Anna; Masarykova, Maria

CS Vysk. Ustav Pap. Celul., Bratislava, 815 20, Czech.

SO Papir a Celuloza (1987), 42(3), 70-3 CODEN: PCELAU; ISSN: 0031-1421

DT Journal

LA Slovak

IT 20579-01-5

RL: USES (Uses)

(Rylux, surface sizing of paper with compns. containing)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 438 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1988:58379 CAPLUS

DN 108:58379

TI High-density powder detergent compositions in transparent containers

IN Watanabe, Toshiyuki; Mukoyama, Koji; Umehara, Kenji

PA Lion Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 62212500	A2	19870918	JP 1986-54372	19860312
PRAI	JP 1986-54372		19860312		

IT 24019-80-5, Whitex SKC

RL: USES (Uses)

(fluorescent brighteners, Whitex SKC, high-d. powder detergents containing, coated with zeolite, with improved UV-induced discoloration resistance)

RN 24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B



ANSWER 439 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1988:40136 CAPLUS AN

DN 108:40136

Stable liquid detergent composition containing hydrophobic brightener ΤI

IN Wevers, Jean; Walker, John Richard

Procter and Gamble Co., USA; Procter and Gamble European Technical Center PA

so Eur. Pat. Appl., 11 pp.

CODEN: EPXXDW

DTPatent

LΑ English

FAN.CNT 1

PAIN.	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	EP 237119	A2	19870916	EP 1987-200386	19870303
	EP 237119	A 3	19 9 00516		
	EP 237119	В1	19931110		
	EP 237119	B2	19970219		
	R: AT, BE, CH,	DE, FR	, GR, IT, LI	, NL, SE	
	GB 2187749	A1	19870916	GB 1986-5966	19860311
	GB 2187749	B2	19900808		
	AT 97159	E	19931115	AT 1987-200386	19870303
	AU 8769856	A1	19870917	AU 1987-69856	19870310
	AU 588979	B2	19890928		
	JP 62275200	A2	19871130	JP 1987-55115	19870310
	JP 2859263	B2	19990217		
PRAI	GB 1986-5966	Α	19860311		
	EP 1987-200386	Α	19870303		
IT	16090-02-1				

RL: USES (Uses)

(brighteners, liquid laundry detergents containing, nonstaining)

RN 16090-02-1 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4ANSWER 440 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

1988:39070 CAPLUS AN

DN 108:39070

ΤI Diene rubber compositions for high-impact polystyrene

Namitsuka, Toshio; Suzuki, Yasuko; Watanabe, Hiroshi IN

PA Nippon Zeon Co., Ltd., Japan

Jpn. Kokai Tokkyo Koho, 4 pp. SO

CODEN: JKXXAF

DTPatent

LΑ Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
ΡI	JP 62153329	A2	19870708	JP 1985-295554	19851227		
	JP 06006638	B4	19940126				
PRAI	JP 1985-295554		19851227				
IT	17958-73-5						

RL: USES (Uses)

(fluorescent brighteners, diene rubber containing, in high-impact polystyrene manufacture)

17958-73-5 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-CNhydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

~ NH- CH2- CH2- OH

L4 ANSWER 441 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1988:7917 CAPLUS

DN 108:7917

TI Detergent powders with reduced phosphate content

IN Rosas Girones, Antonio; Vilamajo Sitjar, Lluis

PA Henkel Iberica S. A., Spain

SO Span., 25 pp. CODEN: SPXXAD

DT Patent

LA Spanish

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
					-
PI	ES 545021	A1	19860901	ES 1985-545021	19850627
DDAT	ES 1085-5/5021		19850627		

IT 24231-46-7

RL: USES (Uses)

(low-phosphate detergent formulation containing)

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 442 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1987:592373 CAPLUS

DN 107:192373

TI A physicochemical screening test for chemical carcinogens: the ke test

AU Bakale, G.; McCreary, R. D.

CS Radiol. Dep., Case West. Reserve Univ., Cleveland, OH, 44106, USA

SO Carcinogenesis (1987), 8(2), 253-64 CODEN: CRNGDP; ISSN: 0143-3334

DT Journal

LA English

IT 4193-55-9, Fluorescent brightener 28

RL: ADV (Adverse effect, including toxicity); BIOL (Biological study) (carcinogenicity of, physicochem. screening test for, pulse-conductivity technique in)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium

salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2-N$
 $HO-CH_$

●2 Na

PAGE 1-B

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L4 ANSWER 443 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1987:578675 CAPLUS

DN 107:178675

TI Effect of various builders on fluorescent brightening agents in built detergents. I.

AU Dobashi, Akemi; Ohkuma, Shizue; Hayashi, Masako

CS Fac. Home Econ., Bunka Women's Univ., Tokyo, 151, Japan

SO Nippon Kasei Gakkaishi (1987), 38(1), 39-46 CODEN: NKGAEB; ISSN: 0913-5227

DT Journal

LA Japanese

IT 17958-73-5

RL: MOA (Modifier or additive use); USES (Uses) (fluorescent brighteners, exhaustion of, on cotton fabric, effect of builders on)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

~ ин- ch2- ch2- oн

L4 ANSWER 444 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1987:512023 CAPLUS
DN 107:112023
TI Fluorescent compounds that nonspecifically stain fungi
AU Green, Linda K.; Moore, David G.

CS Health Sci. Cent., Univ. Texas, Houston, TX, 77025, USA SO Laboratory Medicine (1987), 18(7), 456-8

CODEN: LBMEBX; ISSN: 0007-5027

DT Journal

LA English

IT 4193-55-9 13863-31-5 16090-02-1 32694-95-4 RL: ANST (Analytical study)

(fluorescence staining with, of fungi in tissue sections)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

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RN 13863-31-5 CAPLUS
CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

SO3H

CH—CH—CH

NHPh

HO3S

NHCH2

Me

●2 Na

— cн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 32694-95-4 CAPLUS

• CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

ANSWER 445 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L41987:479486 CAPLUS AN DN 107:79486 ΤI Cationic naphthalimide fluorescence quenchers IN Harnisch, Horst Bayer A.-G., Fed. Rep. Ger. Ger. Offen., 79 pp. PA CODEN: GWXXBX DT Patent LΑ German FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO. DATE -----_____ _____ ----19870416 DE 1985-3535496 19851004 PΙ DE 3535496 **A**1 EP 1986-113021 19860922 EP 217256 A2 19870408 EP 217256 **A3** 19881109 EP 217256 В1 19910306 R: AT, BE, CH, DE, FR, GB, IT, LI, NL AT 61427 Ε 19910315 AT 1986-113021 19860922 JP 62089665 A2 19870424 JP 1986-228503 19860929 JP 06062571 В4 19940817 US 4919848 Α 19900424 US 1986-913888 19860930 PRAI DE 1985-3535496 Α 19851004 EP 1986-113021 19860922 Α 4193-55-9 IT

RL: USES (Uses)

(optical brightener, cellulose sulfite treatment by, fluorescent quenchers for)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

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L4 ANSWER 446 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1987:460920 CAPLUS

DN 107:60920

TI Coated paper

IN Nakamura, Masato; Yuasa, Masanobu; Kamioka, Teiji

PA Kanzaki Paper Mfg. Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

TAN. CHI I				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 62028493	A2	19870206	JP 1985-168170	19850729
JP 02023639	B4	19900524		
PRAI JP 1985-168170		19850729		
IT 17958-73-5				

RL: USES (Uses)

(paper coatings containing pigments and, with improved whiteness and discoloration resistance)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-B

NH-CH2-CH2-OH

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L4
    ANSWER 447 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
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AN 1987:460645 CAPLUS

DN 107:60645

Method for improving strength of dry dye particles and reducing explosion ΤI hazards

IN Hinson, W. James; Roe, Diane H.

Ciba-Geigy A.-G., Switz. PΑ

SO Eur. Pat. Appl., 6 pp.

DT LA FAN.	CODEN: EPXXDW Patent English CNT 1	••			
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 217749	A3 .	19870408 19900425	EP 1986-810426	19860929
	R: BE, CH, DE, DK 8604748	•	, IT, LI, NL 19870405	DK 1986-4748	19861003
	JP 62086057	A2	19870420	JP 1986-234720	19861003
	BR 8604832	Α	19870707	BR 1986-4832	19861003
	CA 1278151	A 1	19901227	CA 1986-519707	19861003
PRAI	US 1985-784129	Α	19851004	•	
IT	4404-43-7P 13863-31	-5P 160	90-02-1P		
	RL: IMF (Industrial	manufa	cture); PREP	(Preparation)	
	(preparation of	solid g	ranular part	icles of, with reduced	explosion hazard)
RN	4404-43-7 CAPLUS				
CN	Benzenesulfonic aci	d, 2,2'	-(1,2-ethene	diyl)bis[5-[[4-[bis(2-	

hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI)

INDEX NAME)

PAGE 1-A PhNH NH NH NHPh NHPh $N = CH = CH = CH = CH = CH_2 = CH$

PAGE 1-B

-- cн₂-- он

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

SO3H

CH—CH—CH—NH—NHPh

HO-CH₂-CH₂-N

Me

NHPh

NHPh

NHPh

NHCH₂

Me

●2 Na

— cн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 448 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1987:192164 CAPLUS

DN 106:192164

TI A fluorescent technique for studying growth of Peronospora tabacina on leaf surfaces

AU Cohen, Yigal; Pe'er, Sara; Balass, Orly; Coffey, Michael D.

CS Dep. Life Sci., Bar-Ilan Univ., Ramat-Gan, 52 100, Israel

SO Phytopathology (1987), 77(2), 201-4 CODEN: PHYTAJ; ISSN: 0031-949X

DT Journal

LA English

IT 4193-55-9

RL: ANST (Analytical study)

(fluorescent probe, in Peronospora tabacina growth on leaf surfaces study)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

— cн₂- он

ANSWER 449 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

AN 1987:121350 CAPLUS

106:121350 DN

TIGranular fluorescent whitener preparations

Koll, Jochen; Schuessler, Ulrich; Brueggemann, Armin; Schminke, Hans IN Dieter

Bayer A.-G. , Fed. Rep. Ger.
Ger. Offen., 3 pp. PA

SO

CODEN: GWXXBX

DΤ Patent

LА German

FAN. CNT 1

IMI.CNI I				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
				-
PI DE 3523207	A1	19870102	DE 1985-3523207	19850628
DE 3523207	C2	19900523		
PRAI DE 1985-3523207		19850628		
Tm 4100 FF 0				

ΙT 4193-55-9

RL: USES (Uses)

(granular fluorescent whitener compns. containing, with improved water solubility, ester additives for)

RN4193-55-9 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 450 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1987:103800 CAPLUS

DN 106:103800

TI Studies on the photofading of direct dye type fluorescent brightening agents. II. Absorption spectra and photofading of a triazinylstilbene type fluorescent brightening agent in aqueous solutions

AU Ikuno, Harumi; Komaki, Motoko; Mitsumori, Mieko; Yabe, Akihiko

CS Fac. Educ., Tokyo Gakugei Univ., Koganei, 184, Japan

SO Nippon Kagaku Kaishi (1987), (1), 101-6 CODEN: NKAKB8; ISSN: 0369-4577

DT Journal

LA Japanese

IT 17958-73-5

RL: USES (Uses)

(fluorescent brighteners, photofading of, cis-trans isomerism in relation to)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-B

NH-CH2-CH2-OH

RL: RCT (Reactant); RACT (Reactant or reagent) (photofading of, cis-trans isomerism in relation to

L4 ANSWER 451 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1987:63963 CAPLUS

DN 106:63963

TI A 96-well epifluorescence assay for rapid assessment of compounds inhibitory to Candida spp

AU Hector, Richard F.; Braun, Phyllis C.

CS Miles Pharm., West Haven, CT, 06516, USA

SO Journal of Clinical Microbiology (1986), 24(4), 620-4 CODEN: JCMIDW; ISSN: 0095-1137

DT Journal

LA English

IT 4193-55-9

RL: ANST (Analytical study)

(in fungicide susceptibility determination with Candida protoplast by fluorometry)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

10/519,031

L4 ANSWER 452 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1987:37889 CAPLUS

DN 106:37889

TI Studies on bacteria for decomposition of detergent fluorescent whitening agents

AU Katayama, Michiko

CS Tokyo Kasei Daigaku, Tokyo, Japan

SO Kenkyu Kiyo - Tokyo Kasei Daigaku (1986), 26, 11-14 CODEN: TKDKBL; ISSN: 0371-831X

DT Journal

LA Japanese

IT 24019-80-5

RL: PROC (Process)

(detergent fluorescent whitening agents, decomposition of, bacteria for, wastewater treatment in relation to)

RN 24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B



L4 ANSWER 453 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1987:34666 CAPLUS

DN 106:34666

TI Optical brighteners of the bis(triazinylamino)stilbene series

IN Noll, Bernd; Keil, Siegfried; Koenig, Edgar; Krausse, Herbert; Raschke, Dieter; Dost, Hermann; Kipping, Wolfgang

PA VEB Chemiekombinat Bitterfeld, Ger. Dem. Rep.

SO Ger. (East), 3 pp.

CODEN: GEXXA8

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DD 230530	A3	19851204	DD 1983-253258	19830721

PRAI DD 1983-253258

19830721

IT 4404-43-7P 35632-99-6P

RL: PREP (Preparation)

(manufacture of, as fluorescent brightener for polyamide fibers)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

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RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

IT 31449-69-1P

RL: PREP (Preparation)

(manufacture of, as fluorescent brighter for polyamide fibers)

RN 31449-69-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

_ NH- CH2- CH2- OH

ANSWER 454 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN 1987:6740 CAPLUS L4

AN

DN 106:6740

Stable liquid detergent containing enzymes and imparting soil repellency TI

IN Crossin, Michael C.

Colgate-Palmolive Co., USA PA

SO Ger. Offen., 36 pp.

CODEN: GWXXBX

DTPatent

German LΑ

FAN.CNT 2

ran.	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 3608558	A1	19860925	DE 1986-3608558	19860314
	US 4661287	Α	198 * 70428	US 1985-713945	19850319
	IN 166183	Α	19900324	IN 1986-DE222	19860310
	ZA 8601812	Α	19871028	ZA 1986-1812	19860311
	IL 78121	. A1	19900118	IL 1986-78121	19860311
	AU 8654692	A1	19860925	AU 1986-54692	19860313
	AU 603334	B2	19901115		
	FR 2579221	A1	19860926	FR 1986-3670	19860314
	FR 2579221	B1	19900504		•
	SE 8601227	Α	19860920	SE 1986-1227	19860317
	FI 8601136	Α	19860920	FI 1986-1136	19860318
	NO 8601025	Α	19860922	NO 1986-1025	19860318
	NO 166414	В	19910408		
	NO 166414	С	19910717		
	BR 8601198	Α	19861125	BR 1986-1198	19860318
	ES 553115		19870501	ES 1986-553115	
	CA 1294234	A1	19920114	CA 1986-504362	19860318
	AT 8600714	Α	19921215	AT 1986-714	19860318
	AT 396369	В	19930825		
	BE 904441	A1	19860919	BE 1986-216427	19860319
	GB 2172608	A1	19860924	GB 1986-6769	19860319
	GB 2172608	В2	19890906		
	JP 61218699	A2	19860929	JP 1986-61960	19860319
	JP 07030356	B4	19950405		
	NL 8600702	Ą	19861016	NL 1986-702	19860319
	CH 678584	A 3	19911015	СН 1986-1105	19860319
	CH 678584	В	19920415		
	DK 167156	В1	19930906	DK 1986-1274	19860319
	US 4759876	Α	19880726	US 1987-40429	19870420
PRAI	US 1985-713945	Α	19850319		

10/519,031

	US 1983-481904	A2	19830404
	US 1983-539079	A2	19831005
	US 1983-539080	A2	19831005
	US 1984-628697	A2	19840711
os	MARPAT 106:6740		
ΙT	13863-31-5, Tinopal	. 5BM	
	RL: USES (Uses)		
	(fluorescent bri	.ghtene	ers, liquid laundry detergents containing, stable)
RN	13863-31-5 CAPLUS		
CN	Benzenesulfonic aci	d, 2,2	!'-(1,2-ethenediyl)bis[5-[[4-[(2-
			-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-,
	disodium salt (9CI)	(CA	INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

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ANSWER 455 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
AN
     1986:628948 CAPLUS
DN
     105:228948
ΤI
     Water-based liquid fluorescent whiteners compositions
IN
     Yokoyama, Shigeru; Kitazawa, Hidetoshi
PA
     Nippon Kayaku Co., Ltd., Japan
so
     Jpn. Kokai Tokkyo Koho, 3 pp.
     CODEN: JKXXAF
DT
     Patent
LA
     Japanese
FAN.CNT 1
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10/519,031

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 61031468 JP 05019587	A2 B4	19860213 19930317	JP 1984-151177	19840723
PRAI	JP 1984-151177		19840723		
ΙT	24019-80-5 53161-15	-2			
	RL: USES (Uses)				
	(fluorescent whi	teners,	liquid dete	rgent compns. containin	g)
RN	24019-80-5 CAPLUS		-	-	
CN	Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)				

●2 Na *

PAGE 1-B

RN 53161-15-2 CAPLUS
CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, dipotassium salt (9CI) (CA INDEX NAME)



L4 ANSWER 456 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1986:628527 CAPLUS

DN 105:228527

TI Asymmetrical bis(triazinylamino)stilbene optical brighteners

IN Connell, David Longley; Farrar, John Martin; Heller, Juerg; Schmid, Hans Rudolf

PA Sandoz-Patent-G.m.b.H., Fed. Rep. Ger:

SO Ger. Offen., 18 pp.

CODEN: GWXXBX

DT Patent LA German

FAN.CNT 1

IA.	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 3605456	A1	19860828	DE 1986-3605456	19860220
	NL 8600439	Α	19860916	NL 1986-439	19860221
	GB 2171407	A1	19860828	GB 1986-4511	19860224
	GB 2171407	B2	19891220		
	CH 677112	Α	19910415	СН 1986-715	19860224
	BE 904274	A1	19860825	BE 1986-11440	19860225
	FR 2581994	A1	19861121	FR 1986-2696	19860225
	ES 552355	A 1	198708 0 1	ES 1986-552355	19860225
	JP 61200974	A2	19860905	JP 1986-39326	19860226
	US 4754032	Α	19880628	US 1986-834180	19860226
	GB 2203433	A1	19881019	GB 1988-8411	19880411
	GB 2203433	B2	19890920		
PRAI	GB 1985-5064	Α	19850227		
	GB 1986-4511	A3	19860224		
OS	CASDEACT 105.228527				

OS CASREACT 105:228527

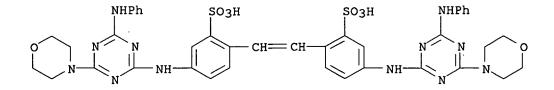
IT 16090-02-1

L4

RL: RCT (Reactant); RACT (Reactant or reagent)
 (oxidation of, with potassium permanganate)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)



●2 Na

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AN 1986:558339 CAPLUS
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DN 105:158339

TI A review of the toxicity of twelve fluorescent dyes used for water tracing

AU Smart, P. L.

CS Dep. Geogr., Univ. Bristol, Bristol, BS8 1SS, UK

SO NSS Bulletin (1984), 46(2), 21-33 CODEN: NSSBDR; ISSN: 0146-9517

DT Journal; General Review

LA English

IT 4193-55-9

RL: PRP (Properties)

(toxicity of, tracers in hydrol. in relation to)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A.

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 458 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1986:554612 CAPLUS

DN 105:154612

TI Preparation of uniform 1,3,5-triazine-based fluorescent brightener compositions

IN Zwierzynski, Krzysztof; Bankowski, Leszek; Rzeszowski, Jerzy; Higersberger, Ewa

PA Instytut Przemyslu Organicznego, Pol.

SO Pol., 4 pp. CODEN: POXXA7

DT Patent

LA Polish

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
			'		
PI	PL 127966	B1	19831231	PL 1981-230283	19810323
PRAI	PL 1981-230283		19810323		

IT 16090-02-1

RL: USES (Uses)

(fluorescent brighteners, preparation of uniform paste of)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 459 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1986:502192 CAPLUS

DN 105:102192

TI Search for organic substances in waters. 3. Environmental pollution by fluorescent whitening agents

AU Ugawa, Masahiro; Miyajima, Toshio; Adachi, Shinichi; Tanaka, Hidetsugu; Nunoura, Masako; Maeda, Yoshikado

CS Osaka Prefect. Inst. Public Health, Osaka, Japan

SO Osaka-furitsu Koshu Eisei Kenkyusho Kenkyu Hokoku, Koshu Eisei-hen (1985), 23, 87-93

CODEN: OKEHDW; ISSN: 0289-5897

DT Journal

LA Japanese

IT 16090-02-1 17958-73-5 24019-80-5

RL: OCCU (Occurrence)

(fluorescent brighteners, water pollution by)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

~ NH- CH2- CH2- OH

RN 24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

L4 ANSWER 460 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN .

AN 1986:455918 CAPLUS

DN 105:55918

TI Toxicological characteristics of Bulgarian optical whiteners

AU Khristeva, V.; Bainova, A.

CS Med. Akad., Sofia, Bulg.

SO Khigiena i Zdraveopazvane (1986), 29(2), 24-8 CODEN: KHZDAN; ISSN: 0018-8247

DT Journal

LA Bulgarian

IT 16090-02-1

RL: BIOL (Biological study)

(allergy and irritation of skin induced by)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 461 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1986:422953 CAPLUS

DN 105:22953

TI The analysis of β -glucan in wort and beer using Calcofluor

AU Joergensen, K. G.; Jensen, Sv. A.; Hartlev, P.; Munck, L.

CS Dep. Biotechnol., Carlsberg Res. Lab., Valby, DK-2500, Den.

SO Proceedings of the Congress - European Brewery Convention (1985), 20th, 403-10

CODEN: EBCPA6; ISSN: 0367-018X

DT Journal

LA English

IT 4404-43-7

RL: BIOL (Biological study)

 $(\beta$ -glucan determination in beer with)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CAINDEX NAME)

PAGE 1-B

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L4 ANSWER 462 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1986:407927 CAPLUS

DN 105:7927

TI Studies on chitosan-induced metachromasy, 4. Some correlations between dye structure and metachromatic behavior

AU Gummow, Beryl D.; Roberts, George A. F.

CS Dep. Phys. Sci., Trent Polytech., Nottingham, NG1 4BU, UK

SO Makromolekulare Chemie (1986), 187(4), 995-1004 CODEN: MACEAK; ISSN: 0025-116X

DT Journal

LA English

IT 4193-55-9

RL: PRP (Properties)

(metachromasy in, chitosan-induced)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

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L4 ANSWER 463 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1986:170420 CAPLUS

DN 104:170420

TI Cationic aromatic nitro compounds and their use in fluorescence quenching

Harnisch, Horst; Siegel, Edgar

Bayer A.-G. , Fed. Rep. Ger. Ger. Offen., 72 pp. PA

SO

CODEN: GWXXBX

Patent DΤ

German LΑ

FAN. CNT 1

FAN.	CNT I				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PΙ	DE 3415103	A1	19851031	DE 1984-3415103	19840421
	EP 163854	A2	19851211	EP 1985-104253	19850409
	EP 163854	A3	19890726		
	EP 163854	B1	19910227		
	R: AT, BE, CH	, DE, FF	R, GB, IT,	LI, NL, SE	
	AT 61043	E	19910315	AT 1985-104253	19850409
	US 4695405	Α	19870922	US 1985-721818	19850410
	NO 8501478	Α	19851022	NO 1985-1478	19850412
	FI 8501549	Α	19851022	FI 1985-1549	19850418
	JP 60233157	A2	19851119	JP 1985-81494	19850418
	DK 8501777	Α	19851022	DK 1985-1777	19850419
	BR 8501887	Α	19851224	BR 1985-1887	19850419
	ZA 8502946	Α	19851224	ZA 1985-2946	19850419
	AU 8541494	A1	19851024	AU 1985-41494	19850422
PRAI	DE 1984-3415103	Α	19840421		
	EP 1985-104253	Α	19850409		
	4100 55 0			·	

IT 4193-55-9

RL: USES (Uses)

(fluorescent brightener, adsorbed on paper pulp, quenching of fluorescence of)

RN 4193-55-9 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

2 Na

PAGE 1-B

— cн₂- он

AN 1986:150794 CAPLUS

DN 104:150794

TI White modification of a bis(triazinylamino)stilbene optical brightener

IN Morris, Susan M.; Thomas, Thomas J.; Kalz, Dietmar

PA Mobay Chemical Corp., USA

so U.S., 7 pp.

CODEN: USXXAM

DT Patent

LA English

דאא מאד¹

FAN.CNI I				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
		-		
PI US 4549980	A	19851029	US 1983-540748	19831011
CA 1215368	A1	19861216	CA 1984-465092	19841010
PRAI US 1983-540748	Α	19831011		•
TM 21000 04 C				

IT 31900-04-6

RL: USES (Uses)

(fluorescent brightener, white polymorphs of, nondiscoloring, for dry detergent compns.)

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 465 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1986:20864 CAPLUS

DN 104:20864

TI Precipitation and crystallization of cellulose doped with dyes

AU Quenin, Isabelle; Henrissat, Bernard

CS Cent. Rech. Macromol. Veg., CNRS, Saint Martin d'Heres, F-38402, Fr.

SO Makromolekulare Chemie, Rapid Communications (1985), 6(11), 737-41 CODEN: MCRCD4; ISSN: 0173-2803

DT Journal

LA English

IT 4404-43-7

RL: USES (Uses)

(cellulose crystallization and precipitation in presence of)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

— сн₂— он

L4 ANSWER 466 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1986:17437 CAPLUS

DN 104:17437

TI The structure of cellulose produced by Acetobacter xylinum in the presence of a fluorescent brightener. The influence of concentration of a brightener in the medium on the structure of cellulose

AU Kai, Akira; Kitamura, Hitoshi

CS Fac. Technol., Tokyo Metrop. Univ., Tokyo, 158, Japan

SO Bulletin of the Chemical Society of Japan (1985), 58(10), 2860-2 CODEN: BCSJA8; ISSN: 0009-2673

DT Journal

LA English

IT 4193-55-9

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)

(crystal structure of cellulose from Acetobacter xylinum response to)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis.[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

Na

PAGE 1-B

— cн₂- он

ANSWER 467 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

AN 1985:579992 CAPLUS

DN 103:179992

TI Laundering additive for increasing brightness

Knop, Peter; Noll, Bernd; Bergk, Karl Heinz; Fuertig, Helmut; Roscher, IN Wolfgang; Schwieger, Wilhelm; Keil, Siegfried; Hoese, Werner; Wolf, Friedrich; et al.

VEB Chemiekombinat Bitterfeld, Ger. Dem. Rep. PΑ

Ger. (East), 9.pp. SO

CODEN: GEXXA8

DTPatent

LΑ German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DD 220328	A 1	19850327	DD 1983-254508	19830905
PRAI	DD 1983-254508		19830905		
IT	16090-02-1				

RL: USES (Uses)

(fluorescent brighteners, laundering additives containing)

16090-02-1 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 468 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1985:579991 CAPLUS

DN 103:179991

TI Additive for increasing brightness

IN Knop, Peter; Noll, Bernd; Bergk, Karl Heinz; Fuertig, Helmut; Roscher, Wolfgang; Schwieger, Wilhelm; Keil, Siegfried; Hoese, Werner; Wolf, Friedrich; et al.

PA VEB Chemiekombinat Bitterfeld, Ger. Dem. Rep.

SO Ger. (East), 7 pp.

CODEN: GEXXA8

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI PRAI	DD 220326 DD 1983-254510	A1	19850327 19830905	DD 1983-254510	19830905

IT 16090-02-1

RL: MOA (Modifier or additive use); USES (Uses)

(fluorescent brighteners, laundering additives containing)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 469 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1985:579989 CAPLUS

DN 103:179989

TI Mixture containing a fluorescent brightener

IN Knop, Peter; Noll, Bernd; Bergk, Karl Heinz; Fuertig, Helmut; Roscher, Wolfgang; Schwieger, Wilhelm; Keil, Siegfried; Hoese, Werner; Wolf, Friedrich; et al.

PA VEB Chemiekombinat Bitterfeld, Ger. Dem. Rep.

SO Ger. (East), 7 pp.

CODEN: GEXXA8

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DD 220327	A1	19850327	DD 1983-254511	19830905
PRAI	DD 1983-254511		19830905		

IT 16090-02-1

RL: USES (Uses)

(dispersants for, in laundry detergents)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 470 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1985:579988 CAPLUS

DN 103:179988

TI Washing aid

IN Knop, Peter; Noll, Bernd; Bergk, Karl Heinz; Fuertig, Helmut; Roscher, Wolfgang; Schwieger, Wilhelm; Keil, Siegfried; Hoese, Werner; Wolf, Friedrich; et al.

PA VEB Chemiekombinat Bitterfeld, Ger. Dem. Rep.

SO Ger. (East), 7 pp.

CODEN: GEXXA8

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI PRAI	DD 220325 DD 1983-254509	A1	19850327 19830905	DD 1983-254509	19830905

IT 16090-02-1

RL: USES (Uses)

(fluorescent brightener, laundering additive containing magadiite and)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 471 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

1985:575521 CAPLUS AN

103:175521 DN

ΤI The influence of potential inhibitors on the in vivo and in vitro cell-wall β -glucan biosynthesis in tobacco cells

ΑU Blaschek, W.; Semler, U.; Franz, G.

Fak. Chem. Pharm., Univ. Regensburg, Regensburg, D-8400, Fed. Rep. Ger. Journal of Plant Physiology (1985), 120(5), 457-70 CS

so CODEN: JPPHEY; ISSN: 0176-1617

DTJournal

LΑ English

4193-55-9 IT

RL: BIOL (Biological study)

 $(\beta$ -glucan formation inhibition by, in tobacco cultures)

RN4193-55-9 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2-N$
 $N-CH_2-CH_2-N$
 $N-CH_2-CH_2-$

2 Na

PAGE 1-B

— cн₂- он

ANSWER 472 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

ΑN 1985:557472 CAPLUS DN 103:157472

TI The use of the fluorochrome calcofluor for monitoring the extent and penetration of pyrolysis in black spruce bark hollocelluloses

AU Stephenson, David E.; Smith, David W.

CS Dep. Bot., Univ. Guelph, Guelph, ON, H1G 2W1, Can.

SO Canadian Journal of Forest Research (1985), 15(4), 725-6 CODEN: CJFRAR; ISSN: 0045-5067

DT Journal

LA English

IT 4193-55-9

RL: BIOL (Biological study)
(pyrolysis determination by, in burnt spruce bark)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

•2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 473 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1985:222154 CAPLUS

DN 102:222154

TI Aqueous fluorescent brightener composition

PA Sumitomo Chemical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN CNT 1

PAN.	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI PRAI IT	JP 60008371 JP 04037109 JP 1983-116740 24019-80-5 RL: USES (Uses)	A2 B4	19850117 19920618 19830627	JP 1983-116740	19830627

(fluorescent brighteners, storage-stable aqueous solns.)

RN 24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium sält (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

L4 ANSWER 474 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1985:222153 CAPLUS

DN 102:222153

TI Aqueous compositions of bis(triazinylamino)stilbene derivatives

PA Sumitomo Chemical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 3 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO. DATE KIND APPLICATION NO. DATE PΙ JP 60006756 A2 19850114 JP 1983-114796 19830624 JP 04037108 B4 19920618 PRAI JP 1983-114796 19830624 IT 16090-02-1 RL: USES (Uses) (fluorescent brighteners, in storage-stable aqueous solns.)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 475 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1985:187103 CAPLUS

DN 102:187103

TI Fluorescent bleach compositions

PA Uehara, Motoyasu, Japan

SO Jpn. Kokai Tokkyo Koho, 3 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
					-,
ΡI	JP 60013853	A2	19850124	JP 1983-121546	19830706
PRAI	JP 1983-121546		19830706		
	15050 50 5				

IT 17958-73-5

RL: USES (Uses)

(fluorescent whiteners, in bleaches, CM-cellulose for prevention of decomposition of)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

— NH— CH2— CH2— ОН

L4 ANSWER 476 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1985:168711 CAPLUS

DN 102:168711

TI Homogeneous aqueous fabric softening composition with stilbene sulfonic acid fluorescent whitener

IN Neiditch, Oscar W.; Hurdle, Edmund S.; Fox, Daniel J.

PA Lever Brothers Co., USA

SO U.S., 6 pp. CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

1711.01.1				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 4497718	Α	19850205	US 1983-486624	19830420
US 4562002	Α	19851231	US 1984-668363	19841105
PRAI US 1983-486624	A1	19830420		

IT 4193-55-9 4404-43-7

RL: USES (Uses)

(fluorescent brightener, homogeneous aqueous fabric softening compns. containing)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

-- CH₂-- ОН

RN 4404-43-7 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

- сн₂- он

L4ANSWER 477 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1985:145697 CAPLUS

DN 102:145697

TI Erythrocyte retaining substrate

IN Trasch, Heinz Friedrich; Endres, Erwin; Trost, Andreas; Rittersdorf,

Boehringer Mannheim G.m.b.H. , Fed. Rep. Ger. PA

so Ger. Offen., 30 pp.

CODEN: GWXXBX

DTPatent

LΑ German

FAN.	CNT 1				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 3323973	A1	19850103	DE 1983-3323973	19830702
	EP 133895	A1	19850313	EP 1984-107305	19840626
	EP 133895	B1	19901010		
	R: AT, BE, CH,	DE, FR	, GB, IT, LI	, LU, NL, SE	
	AT 57437	E	19901015	AT 1984-107305	19840626
	JP 60036961	A2	19850226	JP 1984-135367	19840702
	US 5055195	Α	19911008	US 1987-77003	19870720
PRAI	DE 1983-3323973	Α	19830702		
	US 1984-619940	B1	19840612		

EP 1984-107305 A 19840626

IT 16090-02-1

RL: ANST (Analytical study)

(erythrocytes separation with, in color test strips for blood anal.)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 478 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1985:133979 CAPLUS

DN 102:133979

TI Effects of surfactants and various additives on the fluorescence behavior of fluorescent whitening agents

AU Seguchi, Kazuyoshi; Ebara, Yoshiko; Hirota, Sanae

CS Fac. Home Sci., Mukogawa Women's Univ., Nishinomiya, Japan

SO Yukagaku (1985), 34(1), 17-24 CODEN: YKGKAM; ISSN: 0513-398X

DT Journal

LA English

IT 4193-55-9 17958-73-5

RL: USES (Uses)

(fluorescence behavior of, effect of surfactants and additives on)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-B

— cн₂- он

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

NH-CH2-CH2-OH

L4 ANSWER 479 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1985:128916 CAPLUS

DN 102:128916

TI Interference of cell wall regeneration of Boergesenia forbesii protoplasts by Tinopal LPW, a fluorescent brightening agent

AU Itoh, T.; O'Neill, R. M.; Brown, R. M., Jr.

CS Dep. Bot., Univ. Texas, Austin, TX, 78712, USA

SO Protoplasma (1984), 123(3), 174-83 CODEN: PROTA5; ISSN: 0033-183X

DT Journal

LA English

IT 4193-55-9

RL: BIOL (Biological study)
 (cell wall regeneration interference by, in Boergesenia forbesii
 protoplast)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

-- cн₂-- он

L4ANSWER 480 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1985:53834 CAPLUS

102:53834 DN

Dye image formation ΤI

PA Konishiroku Photo Industry Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 17 pp.

CODEN: JKXXAF

DTPatent

Japanese LА

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 59111147	A2	19840627	JP 1982-219866	19821215
	JP 05026183	B4	19930415		
PRAI	JP 1982-219866		19821215		
IT	31900-04-6				

RL: USES (Uses)

(photog. multilayer element with gelatin layer containing, for dye image formation, processing method for)

RN 31900-04-6 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

10/519,031

L4 ANSWER 481 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1985:26876 CAPLUS

DN 102:26876

TI Fluorescent brightening agents in the environment

AU Komaki, Motoko

CS Fac. Home Econ., Ochanomizu Univ., Tokyo, 112, Japan

SO Senryo to Yakuhin (1984), 29(8), 164-72

CODEN: SETYAL; ISSN: 0370-9671

DT Journal

LA Japanese

IT 16090-02-1 24019-80-5

RL: USES (Uses)

(fabric uptake of, discharge to sewer and river in relation to)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-B



L4 ANSWER 482 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1984:632102 CAPLUS

DN 101:232102

TI The structure of the nascent fibril produced by Acetobacter xylinium: the lattice spacing of cellulose produced in the presence of a fluorescent brightener

AU Kai, Akira

CS Fac. Technol., Tokyo Metrop. Univ., Tokyo, 158, Japan

SO Makromolekulare Chemie, Rapid Communications (1984), 5(10), 653-5 CODEN: MCRCD4; ISSN: 0173-2803

DT Journal

LA English

IT 4193-55-9

RL: USES (Uses)

(cellulose complexes, crystal structure of, nascent fibril structure in relation to)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2-N$
 $HO-CH_2-N$
 H

2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 483 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1984:626983 CAPLUS

DN 101:226983

TI Chitin and cellulose fibrillogenesis in vivo and their experimental alteration

AU Herth, Werner; Hausser, Ingrid

CS Univ. Heidelberg, Heidelberg, Fed. Rep. Ger.

SO Struct., Funct., Biosynth. Plant Cell Walls, Proc. Annu. Symp. Bot., 7th (1984), 89-119. Editor(s): Dugger, W. M.; Bartnicki-Garcia, Salomon. Publisher: Am. Soc. Plant Physiol., Rockville, Md.

CODEN: 52LOA6

DT Conference

LA English

IT 4193-55-9

RL: BIOL (Biological study)

(chitin and cellulose microfibril formation response to, in plant cells)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 484 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1984:613092 CAPLUS

DN 101:213092

TI Polyester fabric conditioning and whitening composition

IN Rapisarda, Anthony A.; Romeo, Joseph

PA Lever Brothers Co., USA

SO U.S., 12 pp. CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4460485	Α	19840717	US 1983-514384	19830715
AU 8430495	A1	19850117	AU 1984-30495	19840711
AU 549781	B2	19860213		
EP 132138	A2	19850123	EP 1984-304806	19840713
EP 132138	A3	19880907		
	US 4460485 AU 8430495 AU 549781 EP 132138	US 4460485 A AU 8430495 A1 AU 549781 B2 EP 132138 A2	US 4460485 A 19840717 AU 8430495 A1 19850117 AU 549781 B2 19860213 EP 132138 A2 19850123	US 4460485 A 19840717 US 1983-514384 AU 8430495 A1 19850117 AU 1984-30495 AU 549781 B2 19860213 EP 132138 A2 19850123 EP 1984-304806

	EP 132138 B1	19900509	
	R: AT, BE, CH, DE,	FR, GB, IT, LI, NL, SE	
	BR 8403506 A	19850625 BR 1984-3506	19840713
-	AT 52532 E	19900515 AT 1984-304806	19840713
	JP 60045677 A2	19850312 JP 1984-147419	19840716
	JP 63048987 B4	19881003	
PRAI	US 1983-514384 A	19830715	
	EP 1984-304806 A	19840713	
IT	4193-55-9 13863-31-5 1609	90-02-1	
	RL: USES (Uses)	•	
	(fluorescent brighten	ers, conditioners containing cationi	c softeners and,
	for polyester fabrics		
RN	4193-55-9 CAPLUS		
CN	Benzenesulfonic acid, 2,	2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-	
	hydroxyethyl)amino]-6-(pl	nenylamino)-1,3,5-triazin-2-yl]amino]-, disodium
	salt (9CI) (CA INDEX NA	ME)	

PAGE 1-A

HO-CH₂-CH₂

HO-CH₂-CH₂

NO-CH₂-CH₂

NO-C

●2 Na

PAGE 1-B

- сн $_2$ - он

RN 13863-31-5 CAPLUS
CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

— ch₂— он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 485 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1984:593917 CAPLUS

DN 101:193917

TI The structure of the nascent fibril produced by Acetobacter xylinum: the x-ray diffraction diagram of cellulose produced in the presence of a fluorescent brightener

10/519,031

AU Kai, Akira

CS Fac. Technol., Tokyo Metrop. Univ., Tokyo, 158, Japan

- SO Makromolekulare Chemie, Rapid Communications (1984), 5(6), 307-10 CODEN: MCRCD4; ISSN: 0173-2803
- DT Journal
- LA English
- IT 4193-55-9

RL: USES (Uses)

(nascent cellulose fibrils produced by Acetobacter xylinum in presence of, structure of, x-ray diffraction in determination of)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

- cн₂- он

L4 ANSWER 486 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1984:593657 CAPLUS

DN 101:193657

TI Photochemical stability of stilbenetriazine type fluorescent brightening agents

AU Prejmereanu, Ioan; Culic, Cornel Vasile

CS Intreprinderea de Medicamente si Coloranti "Sintofarm", Bucharest, Rom.

SO Revistade Chimie (Bucharest, Romania) (1984), 35(7), 595-7 CODEN: RCBUAU; ISSN: 0034-7752

DT Journal

LA Romanian

IT 16090-02-1 20579-01-5

RL: USES (Uses)

(fluorescent brighteners, photochem. stability of)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 487 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1984:590840 CAPLUS

DN 101:190840

TI Effect of aromatic substituents and the ratio of cis-trans isomers on stilbenetriazinyl-type optical bleaching agents

AU Prejmereanu, Ioan

CS Rom.

SO Revistade Chimie (Bucharest, Romania) (1984), 35(5), 407-10 CODEN: RCBUAU; ISSN: 0034-7752

DT Journal

LA Romanian

IT 56776-30-8 60316-97-4 92629-70-4

92629-80-6

RL: PRP (Properties)

(isomerism of)

RN 56776-30-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1E)-1,2-ethenediylbis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Double bond geometry as shown.

●2 Na

RN 60316-97-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

●2 Na

RN 92629-70-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

2 Na

RN 92629-80-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

2 Na

L4ANSWER 488 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN1984:561156 CAPLUS

DN 101:161156

Treatment and development of photosensitive photographic silver halide ΤI

IN Ishikawa, Masao; Koboshi, Shigeharu; Kurematsu, Masayuki

Konishiroku Photo Industry Co., Ltd. , Japan PA

SO Ger. Offen., 36 pp.

CODEN: GWXXBX

DT Patent

German LΑ

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 3333227	A1	19840315	DE 1983-3333227	19830914
	DE 3333227	C2	19920206		
	JP 59049537	A2	19840322	JP 1982-161523	19820914
PRA	I JP 1982-161523	Α	19820914		
IT	17958-73-5 20579-0	01-5 9240	66-51-8	•	

RL: USES (Uses)

(fluorescent brightener, color photog. developer containing, for decreased staining)

RN17958-73-5 CAPLUS

CNBenzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

~ин-сн₂-сн₂-он

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

NHPh SO3H SO3H NHPh NH2N NH2N NH2

•2 Na

RN 92466-51-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-[[4-[(2-hydroxyethyl)amino]carbonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

HO-CH₂-CH₂-NH-C
$$\frac{N}{N}$$
 NH-N $\frac{N}{N}$ SO₃H

•2 Na

$$NH - CH_2 - CH_2 - OH$$
 $NH - CH_2 - CH_2 - OH$
 $NH - CH_2 - CH_2 - OH$
 $NH - CH_2 - CH_2 - OH$

- L4 ANSWER 489 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1984:553471 CAPLUS
- DN 101:153471
- TI Evaluation of absolute effectiveness of photodegradation of fluorescent brighteners
- AU Proskuryakova, T. V.; Studzinskii, O. P.; Rtishchev, N. I.; Seleznev, V. N.
- CS USSR
- SO Deposited Doc. (1983), VINITI 4129-83, 7 pp. Avail.: VINITI
- DT Report
- LA Russian
- IT 20579-01-5

RL: USES (Uses)

(quantum yields of fluorescence and photolysis of)

- RN 20579-01-5 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4ANSWER 490 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1984:424975 CAPLUS

101:24975 DN

Stable liquid form of ammonium 4,4'-bis(6-anilino-4-diethanolaminotriazin-TI 2-ylamino)stilbene-2,2'-disulfonate

Pirkl, Jaromir; Podstata, Jiri IN

PA Czech.

Czech., 4 pp. CODEN: CZXXA9 SO

DTPatent

LΑ Czech

FAN.CNT 1

L'UIA.	ONI I					
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
						
ΡI	CS 208507	В	19810915	CS 1980-3422	19800516	
PRAI	CS 1980-3422	Α	19800516			
IT	90826-83-8					

RL: USES (Uses)

(fluorescent brightener, stable aqueous solution of)

90826-83-8 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, diammonium salt (9CI) (CA INDEX NAME)

— cн₂- он

L4 ANSWER 491 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1984:193483 CAPLUS

DN 100:193483

TI Stable stilbene fluorescent brightener solutions

IN Fringeli, Werner

PA Ciba-Geigy A.-G., Switz.

SO Patentschrift (Switz.), 9 pp.

CODEN: SWXXAS

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI PRAI	CH 640899 CH 1979-4466	A	19840131 19790514	СН 1979-4466	19790514

IT 4193-55-9

RL: USES (Uses)

(fluorescent brightener, aqueous solns. of, stable in presence of metal ions)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

- L4 ANSWER 492 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1984:161553 CAPLUS
- DN 100:161553
- TI Environmental effects of supplementary chemicals used widely in paper manufacturing
- AU Bjoerndal, Haakan; Duering, Leif; Solyom, Peter
- CS Inst. Vatten- Luftvaardsforskning, Stockholm, 100 31, Swed.
- SO Inst. Vatten- Luftvaardsforsk., [Publ.] B (1984), IVL B 739, 202 pp. CODEN: IVLBDQ; ISSN: 0347-8696
- DT Report
- LA Swedish
- IT 4193-55-9 13863-31-5 16090-02-1
 - RL: ADV (Adverse effect, including toxicity); BIOL (Biological study) (toxicity and environmental effects of, water pollution from paper manufacture in relation to)
- RN 4193-55-9 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2-N$
 $HO-CH_2-N$
 H

•2 Na

PAGE 1-B

— cн₂- он

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

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RN ·16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 493 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1984:119238 CAPLUS

DN 100:119238

TI An improved method for determining $\beta\text{-glucan}$ in wort and beer by use of Calcofluor

AU Joergensen, Kim G.

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CS Dep. Biotechnol., Carlsberg Res. Lab., Copenhagen, DK-2500, Den.
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SO Carlsberg Research Communications (1983), 48(5), 505-16 CODEN: CRCODS; ISSN: 0105-1938

DT Journal

LA English

IT 4404-43-7

RL: BIOL (Biological study)

(glucan determination in beer with)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

— сн₂— он

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L4 ANSWER 494 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
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AN 1984:101688 CAPLUS

DN 100:101688

TI Use of Calcofluor in analysis of oat beta-D-glucan

AU Wood, P. J.; Weisz, J.

CS Food Res. Inst., Agric. Canada, Ottawa, ON, K1A 0C6, Can.

SO Cereal Chemistry (1984), 61(1), 73-5 CODEN: CECHAF; ISSN: 0009-0352

DT Journal

LA English

IT 4404-43-7

RL: BIOL (Biological study)

 $(\beta-D-glucan determination in oat flour by precipitation with)$

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

— сн₂— он

L4 ANSWER 495 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1984:87677 CAPLUS

DN 100:87677

TI Application of the fluorescent brighteners Belotex KD and Belotex PAD in detergents

AU Takeva, S.; Konova, E.; Popova, N.; Savova, D.; Blagoeva, R.

CS TsKhP, USSR

SO Tekstilna Promishlenost (Sofia) (1983), 32(7), 324-6 CODEN: TEPSAS; ISSN: 0495-0046

DT Journal

LA Bulgarian

IT 16090-02-1

RL: USES (Uses)

(fluorescent brighteners, laundry detergent containing)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 496 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1984:64757 CAPLUS

DN 100:64757

TI Calcofluor staining of cellulose during microcyst differentiation in wild-type and mutant strains of Polysphondylium pallidum

AU Choi, Anthony H. C.; O'Day, Danton H.

CS Dep. Zool., Univ. Toronto, Toronto, ON, L5L 1C6, Can.

SO Journal of Bacteriology (1984), 157(1), 291-6 CODEN: JOBAAY; ISSN: 0021-9193

DT Journal

LA English

IT 4404-43-7

RL: BIOL (Biological study)

(cellulose staining by, in Polysphondylium pallidum in differentiation)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CAINDEX NAME)

PAGE 1-A

PhNH
N
NH
N
NH
N
NHPh
HO-
$$CH_2-CH_2-N$$
SO3H
SO3H
N- CH_2
CH2- CH_2-OH

PAGE 1-B

— сн₂— он

L4 ANSWER 497 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1984:53210 CAPLUS

DN 100:53210

TI Isolation of sodium 4,4'-bis[(4-amino-6-anilino-s-triazin-2-yl)amino]-2,2'-stilbenedisulfonate

IN Kotlan, Josef; Koci, Karel; Vavrin, Vladimir; Zieris, Viktor; Nemec, Ludvik

PA Czech.

SO Czech., 2 pp. CODEN: CZXXA9

DT Patent

LA Czech

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CS 196705	В	19800430	CS 1977-2128	19770331
PPAT	CS 1977-2128	Δ	19770331		

IT 20579-01-5

RL: USES (Uses)

(fluorescent brightener, filterability of, controlled salting out for

improved)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 498 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1984:15218 CAPLUS

DN 100:15218

TI Photochemical decomposition of optical brighteners in presence of inorganic ions

AU Studzinskii, O. P.; Proskuryakova, T. V.; Grebenkina, V. M.; Makashev, Yu. A.

CS Leningr. Inst. Sov. Torg., Leningrad, USSR

SO Izvestiya Vysshikh Uchebnykh Zavedenii, Khimiya i Khimicheskaya Tekhnologiya (1983), 26(10), 1226-30 CODEN: IVUKAR; ISSN: 0579-2991

DT Journal

LA Russian

IT 20579-01-5

RL: RCT (Reactant); RACT (Reactant or reagent)
(photolysis of, in presence of inorg. ions, fluorescence quenching in)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 499 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1984:8519 CAPLUS

DN 100:8519

TI Readily wettable white form of sodium 4,4'-bis(6-morpholino-4-anilinotriazin-2-ylamino)stilbene-2,2'-disulfonate

IN Pirkl, Jaromir; Podstata, Jiri

PA Czech.

SO Czech., 3 pp.

CODEN: CZXXA9

DT Patent LA Czech FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
		-			
PI	CS 209395	В	19811130	CS 1980-2230	19800331
PRAI	CS 1980-2230	Α	19800331		

IT 16090-02-1P

RL: IMF (Industrial manufacture); PREP (Preparation)

(fluorescent brightener, manufacture of, in pure and easily wettable form)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 500 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1983:614539 CAPLUS

DN 99:214539

TI Detergents for clothing

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 15 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 58042699	A2	19830312	JP 1981-140680	19810907
PRAI JP 1981-140680		19810907		
TM 1.0000 00 1				

IT 16090-02-1

RL: USES (Uses)

(fluorescent brightener, sensitizer for, sulfonated aluminum phthalocyanine as, for detergents)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 501 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1983:609107 CAPLUS

DN 99:209107

Studies on the specificity of interaction of cereal cell wall components with Congo red and Calcofluor. Specific detection and histochemistry of (1 \rightarrow 3), (1 \rightarrow 4)- β -D-glucan

AU Wood, Peter J.; Fulcher, R. G.; Stone, Bruce A.

CS Food Res. Inst., Agric. Canada, Ottawa, ON, K1A 0C6, Can.

SO Journal of Cereal Science (1983), 1(2), 95-110 CODEN: JCSCDA; ISSN: 0733-5210

DT Journal

LA English

IT 4404-43-7

RL: ANST (Analytical study)

(staining by, of glucan in cell walls of cereals)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

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L4 ANSWER 502 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN AN 1983:596521 CAPLUS

10/519,031

DN 99:196521

TI Effect of aromatic substituents in the structure of triazine fluorescent brighteners

AU Prejmereanu, Ioan; Culic, Cornel Vasile; Ivan, Florica

CS Intreprinderea de Medicamente si Coloranti "Sintofarm", Bucharest, Rom.

SO Revistade Chimie (Bucharest, Romania) (1983), 34(5), 403-7 CODEN: RCBUAU; ISSN: 0034-7752

DT Journal

LA Romanian

IT 16090-02-1 20579-01-5 RL: PRP (Properties)

(fluorescent-brightening ability and UV spectra of, evaluation of)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 503 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1983:577650 CAPLUS

DN 99:177650

TI Marking valuable articles

IN Jeikner, Christel; Jeikner, Manfred

PA Fed. Rep. Ger.

SO Ger. Offen., 13 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI DE 3151012 A1 19830728 DE 1981-3151012 19811223

PRAI DE 1981-3151012 19811223

IT 4193-55-9

RL: USES (Uses)

(in fluorescent compns. for marking of valuables)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2-N$
 $HO-CH_2-N$
 H

●2 Na

PAGE 1-B

— cн₂— он

L4 ANSWER 504 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1983:484811 CAPLUS

DN 99:84811

TI Molecular architecture of fungal cell walls. An approach by use of fluorescent markers

AU Von Sengbusch, Peter; Hechler, Juergen; Mueller, Ute

CS Inst. Allg. Bot. Bot. Garten, Univ. Hamburg, Hamburg, Fed. Rep. Ger.

SO European Journal of Cell Biology (1983), 30(2), 305-12 CODEN: EJCBDN; ISSN: 0171-9335

DT Journal

LA English

IT 4404-43-7

RL: PROC (Process)

(binding of, by fungal cell wall, in mol. architecture determination)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

— cн₂- он

ANSWER 505 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L41983:450073 CAPLUS AN 99:50073 DN ΤI Calcofluor white alters the assembly of chitin fibrils in Saccharomyces cerevisiae and Candida albicans cells ΑU Elorza, M. Victoria; Rico, Hortensia; Sentandreu, Rafael Fac. Farm., Univ. Valencia, Valencia, Spain CS Journal of General Microbiology (1983), 129(5), 1577-82 SO CODEN: JGMIAN; ISSN: 0022-1287 DΤ Journal LΑ English IT 4404-43-7 RL: BIOL (Biological study) (chitin formation and assembly by yeast response to) 4404-43-7 CAPLUS RNCN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

— сн₂— он

L4 ANSWER 506 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1983:435293 CAPLUS

DN 99:35293

TI Interaction of ultraviolet light, chemicals and cultured mammalian cells: photobiological reactions of halogenated antiseptics, drugs and dyes

AU Lock, Stephen O.; Friend, John V.

CS Environ. Saf. Lab., Unilever Res., Sharnbrook/Bedford, MK44 1LQ, UK

SO International Journal of Cosmetic Science (1983), 5(2), 39-49 CODEN: IJCMDW; ISSN: 0142-5463

DT Journal

LA English

IT 16090-02-1

RL: PRP (Properties)

(phototoxicity of, to mammalian cells in culture)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 507 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1983:406863 CAPLUS

DN 99:6863

TI Degradation of fluorescent whiteners in an aqueous medium

AU Dojlido, Jan; Stojda, Andrzej; Gantz, Elzbieta; Kowalski, Jan

CS Inst. Meteorol. Gospodarki Wodnej, Warsaw, Pol.

SO Przemysl Chemiczny (1983), 62(2), 102-4 CODEN: PRCHAB; ISSN: 0033-2496

DT Journal

LA Polish

IT 16090-02-1

RL: USES (Uses)

(fluorescent brightener, in river and waste water, degradation and removal of)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-

(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

L4 ANSWER 508 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1983:217182 CAPLUS

DN 98:217182

TI Sodium 4,4'-bis[(4-amino-6-anilino-s-triazin-2-yl)amino]-2,2'-stilbenedisulfonate fluorescent brightener

IN Kotlan, Josef; Ottova, Milada; Koci, Karel; Holeci, Ivan

PA Czech.

SO Czech., 4 pp. CODEN: CZXXA9

DT Patent

LA Czech

FAN.CNT 1

				2200	
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
		;			
PI CS 194085	В	19791130	CS 1978-1185	19780224	
PRAI CS 1978-1185	Α	19780224			

IT 20579-01-5P

RL: IMF (Industrial manufacture); PREP (Preparation) (fluorescent brightener, manufacture of, in white form)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediy1)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 509 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1983:217123 CAPLUS

DN 98:217123

TI Storable whitener formulations

IN Horlacher, Paul; Pfenninger, Heinz

PA Ciba-Geigy A.-G., Switz.

SO Ger. Offen., 38 pp.

CODEN: GWXXBX

DT Patent LA German FAN.CNT 1

TAU. CIVI	. +					
PA	ATENT NO.	KIND	DATE	APPLICATION N	10.	DATE
PI DE	3234784	A1	19830331	DE 1982-32347	784	19820920
DE	3234784	C2	19920716	•		
CH	647021	Α	19841228	CH 1981-6105		19810922
US	4466900	Α	19840821	US 1982-41723	33	19820913
GB	3 2107606	A 1	19830505	GB 1982-26343	3	19820916
GB	3 2107606	B2	19850925			
FR	2513276	A 1	19830325	FR 1982-15789	9	19820920
FR	2513276	B1	19860516			
JP	58065760	A2	19830419	JP 1982-16597	75 _.	19820922
PRAI CH	1981-6105	Α	19810922			

IT 4404-43-7

RL: USES (Uses)

(fluorescent brighteners, concentrated, storage-stable solns. containing)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-

hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

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L4 ANSWER 510 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1983:199818 CAPLUS

DN 98:199818

TI Fluorescent brighteners of the aminostilbene type

AU Japelj, Miha; Tisler, Vida; Klesnik, Miha

CS KRKA Pharm. Chem. Works, Novo Mesto, Yugoslavia

SO Kemija u Industriji (1982), 31(12), 595-604

CODEN: KJUIAR; ISSN: 0022-9830

DT Journal

LA Serbo-Croatian

IT 16090-02-1P

RL: PREP (Preparation)

(fluorescent brightener, methods for synthesis of)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 511 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1983:180962 CAPLUS

DN 98:180962

TI Determination of the presence and distribution of polymers on wool

AU Rothery, Freda R.; White, Max A.

CS Div. Text. Ind., CSIRO, Belmont, 3216, Australia

SO Journal of the Society of Dyers and Colourists (1983), 99(1), 11-12 CODEN: JSDCAA; ISSN: 0037-9859

DT Journal

LA English

IT 4404-43-7

RL: USES (Uses)

(fluorochromes, in determining distribution of polymeric finishing agents on wool textiles)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

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L4 ANSWER 512 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1983:170275 CAPLUS

DN 98:170275

TI Effect of inorganic anions on the luminescence properties of optical bleaches

AU Studzinskii, O. P.; Grebenkina, V. M.; Seleznev, V. N.

CS USSF

SO Zhurnal Prikladnoi Spektroskopii (1983), 38(2), 325-7 CODEN: ZPSBAX; ISSN: 0514-7506

DT Journal

LA Russian

IT 20579-01-5

RL: PRP (Properties)

(inorg. anion effect on luminescence of)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 513 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1983:152795 CAPLUS

DN 98:152795

TI Electrostatic recording element

IN Yasuda, Tokuro; Yamauchi, Keiji

PA Oji Paper Co., Ltd., Japan

SO U.S., 9 pp. Cont.-in-part of U.S. Ser. No. 69,556, abandoned.

CODEN: USXXAM DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	US 4374895	A	19830222	US 1981-277210	19810625
	JP 55033133	A2	19800308	JP 1978-106397	19780831
	JP 55033134	A2	19800308	JP 1978-106398	19780831
	JP 55108670	A2	19800821	JP 1979-15346	19790213

	JP 58028578	B4	19830616					
	JP 55113053	A2	19800901	JP	1979-20712		1979022	6
	JP 58028579	B4	19830616					
	JP 55115046	A2	19800904	JP	1979-21368		1979022	7
PRAI	JP 1978-106397	Α	19780831					
	JP 1978-106398	Α	19780831					
	JP 1979-15346	Α	19790213					
	JP 1979-20712	Α	19790226					
	JP 1979-21368	Α	19790227					
	US 1979-69556	A2	19790824					
IT	16090-02-1							
	RL: USES (Uses)							
	(electrostatic r	ecordin	g material	with	${\tt conductive}$	layer	containing	zinc
	oxide and)							
DM	16090-02-1 CAPLUS							

16090-02-1 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

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ANSWER 514 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
AN
     1983:135097 CAPLUS
DN
     98:135097
ΤI
     Use of inorganic ions for photostabilization of luminophors
     Studzinskii, O. P.; Proskuryakova, T. V.
ΑU
CS
     Leningr. Inst. Sov. Torg., Leningrad, USSR
SO
     Zhurnal Prikladnoi Khimii (Sankt-Peterburg, Russian Federation) (1983),
     56(1), 202-4
     CODEN: ZPKHAB; ISSN: 0044-4618
DT
     Journal
LΑ
     Russian
ΙT
     20579-01-5
     RL: RCT (Reactant); RACT (Reactant or reagent)
        (photolysis of, inorg. ion effect on)
RN
     20579-01-5 CAPLUS
CN
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-
```

1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 515 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1983:73820 CAPLUS

DN 98:73820

TI Determination of the cis-trans isomer ratio in the stilbene-type optical bleaching agents

AU Prejmereanu, Ioan

CS Intreprinderea Med. Coloranti "Sintofarm", Bucharest, Rom.

SO Revistade Chimie (Bucharest, Romania) (1982), 33(10), 902 CODEN: RCBUAU; ISSN: 0034-7752

DT Journal

LA Romanian

IT 21162-88-9 24231-46-7

RL: USES (Uses)

(fluorescent brighteners, cis-trans isomer ratio in, determination of)

RN 21162-88-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

IT 20579-01-5

RL: USES (Uses)

(fluorescent brighteners, cis-trans isomer ratio of stilbene derivs.

in, determination of)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-

1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

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ANSWER 516 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
     1983:55486 CAPLUS
AN
     98:55486
DN
     Whitening agent-containing spinning solution for producing regenerated
TI
     cellulose fibers
     Eckstein, Udo; Hoernle, Reinhold; Koll, Jochen; Moells, Hans Heinz;
IN
     Schaefer, Guenter; Theidel, Hans
     Bayer A.-G. , Fed. Rep. Ger. Ger. Offen., 21 pp.
PA
SO
     CODEN: GWXXBX
DT
     Patent
LΑ
     German
FAN.CNT 1
     PATENT NO.
                          KIND
                                 DATE
                                              APPLICATION NO.
                                                                       DATE
                          ____
                                              -----<del>-</del>
                                                                       19810314
                                 19820923
                                              DE 1981-3109828
PΙ
     DE 3109828
                           A1
                                 19820922
                                              EP 1982-101612
                                                                       19820303
                           A2
     EP 60439
                           А3
                                 19830629
     EP 60439
                                 19850123
                           В1
     EP 60439
         R: AT, CH, DE, FR, GB, IT
                                 19850215
                                              AT 1982-101612
                                                                       19820303
     AT 11434
                           Ε
     BR 8201336
                           Α
                                 19830125
                                              BR 1982-1336
                                                                       19820312
PRAI DE 1981-3109828
                           Α
                                 19810314
     EP 1982-101612
                           Α
                                 19820303
IT
     84293-05-0 84293-07-2 84293-11-8
     84293-12-9
     RL: USES (Uses)
         (fluorescent brighteners, for viscose in rayon manufacture)
```

Benzenemethanaminium, N,N-dimethyl-N-phenyl-, salt with

2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzenesulfonic acid] (2:1) (9CI) (CA INDEX NAME)

CM 1

RN

CN

CRN 82584-34-7

84293-05-0 CAPLUS

CMF C40 H38 N12 O8 S2

10/519,031

CM 2

CRN 22444-88-8 CMF C15 H18 N

RN 84293-07-2 CAPLUS

CN Benzenemethanaminium, N,N-dimethyl-N-phenyl-, salt with 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzenesulfonic acid] (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 82574-77-4 CMF C40 H42 N12 O10 S2

PAGE 1-B

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10/519,031

CRN 22444-88-8 CMF C15 H18 N

RN 84293-11-8 CAPLUS

CN Benzenemethanaminium, N,N-dimethyl-N-phenyl-, salt with 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzenesulfonic acid] (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 84293-10-7

CMF C34 H30 N12 O6 S2

CM 2

CRN 22444-88-8 CMF C15 H18 N

$$Me^{-N+\frac{1}{N}}CH_2-Ph$$
Me

RN 84293-12-9 CAPLUS

Benzenemethanaminium, N-dodecyl-N,N-dimethyl-, salt with
2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5triazin-2-yl]amino]benzenesulfonic acid] (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 82584-34-7

CMF C40 H38 N12 O8 S2

CM 2

CRN 10328-35-5 CMF C21 H38 N

$$^{\text{Me}}_{\text{Ph-CH}_2-N^+\atop |}$$
 (CH₂)₁₁-Me

ANSWER 517 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1983:36402 CAPLUS

DN 98:36402

Aqueous aminoplast dispersions ΤI

IN Mueller, Hanns Peter; Wagner, Kuno; Mummenhoff, Peter; Wallpott, Gottfried; Scheuss, Karlheinz

Bayer A.-G., Fed. Rep. Ger. Ger. Offen., 23 pp. PA

SO

CODEN: GWXXBX

DTPatent

LΑ German

FAN. CNT 1

CAN.	CNII			•	
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3112435	A1	19821007	DE 1981-3112435	19810328
	EP 62093	A1	19821013	EP 1981-108185	19811012
	EP 62093	B1	19840919		
	R: CH, DE, FR,	GB			
	US 4405751	Α	19830920	US 1982-355644	19820308
	JP 57170916	A2	19821021	JP 1982-45737	19820324
	BR 8201732	Α	19830222	BR 1982-1732	19820326
PRAI	DE 1981-3112435	Α	19810328		
os	MARPAT 98:36402				

IT4404-43-7DP, reaction products with aminoplast

RL: IMF (Industrial manufacture); PREP (Preparation) (preparation of dispersions of, for coating paper)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

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L4 ANSWER 518 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN * 1983:35526 CAPLUS

DN 98:35526

TI Fluorescent brightener compositions

PA Showa Chemical Industries, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DT Patent

LA ' Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 57123262	A2	19820731	JP 1981-8991	19810126
PRAI	JP 1981-8991		19810126		

IT 84045-95-4 84045-96-5

RL: USES (Uses)

(fluorescent brightener, for melamine resins)

RN 84045-95-4 CAPLUS

CN Methanaminium, N,N,N-trimethyl-, salt with 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzenesulfonic acid] (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 82584-30-3

CMF C32 H26 N12 O6 S2

CM 2

CRN 51-92-3 CMF C4 H12 N

RN 84045-96-5 CAPLUS

CN Methanaminium, N,N,N-trimethyl-, salt with 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzenesulfonic acid] (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 82574-70-7

CMF C36 H34 N12 O8 S2

PAGE 1-B

$$\sim$$
 NH-CH₂-CH₂-OH

CM 2

CRN 51-92-3 CMF C4 H12 N

IT 84046-14-0

RL: USES (Uses)

(fluorescent brightener, for paper)

RN 84046-14-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-

hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, compd. with N,N-dimethylmethanamine (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 4404-43-7

CMF C40 H44 N12 O10 S2

PAGE 1-B

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CM 2

CRN 75-50-3 CMF C3 H9 N

СН3 | H3C-N-СН3

IT: 84046-01-5

RL: USES (Uses)

(fluorescent brightener, for paper coatings)

RN 84046-01-5 CAPLUS

CN Methanaminium, N,N,N-trimethyl-, salt with 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzenesulfonic acid] (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 82584-34-7

CMF C40 H38 N12 O8 S2

CM 2

CRN 51-92-3 CMF C4 H12 N

RL: USES (Uses)

(fluorescent brightener, for urea-melamine resins and ABS

L4 ANSWER 519 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1983:14198 CAPLUS

DN 98:14198

TI Alteration of encystment of Entamoeba invadens by Calcofluor M2R

AU Arroyo-Begovich, Angel; Almanza de Celis, Silvia

CS Cent. Invest. Fisiol. Cel., Univ. Nac. Auton. Mexico, Coyoacan, 04510, Mex.

SO Archivos de Investigacion Medica (1982), 13(Suppl. 3), 13-16 CODEN: AIVMBU; ISSN: 0066-6769

DT Journal

LA Spanish

IT 4404-43-7

RL: BIOL (Biological study)

(encystment by Entamoeba invadens inhibition by)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

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L4 ANSWER 520 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1982:546172 CAPLUS

DN 97:146172

TI Fluorescent brightener compositions

PA Showa Chemical Industries, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 13 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 57025365	A2	19820210	JP 1980-99346	19800722
JP 63051191	B4	19881013		
US 4388079	Α	19830614	US 1981-284534	19810720
DE 3128781	A1	19820609	DE 1981-3128781	19810721
CA 1169205	A1	19840619	CA 1981-382160	19810721
GB 2082195	Α	19820303	GB 1981-22571	19810722
BR 8104740	Α	19820413	BR 1981-4740	19810722
PRAI JP 1980-99345	Α	19800722		•
JP 1980-99346	Α	19800722		
TM 00574 70 5	•			

IT 82574-78-5

RL: USES (Uses)

(fluorescent brighteners containing, for improved whitening efficiency, for paper)

RN 82574-78-5 CAPLUS

CN Methanaminium, N-[4-[bis[4-(dimethylamino)phenyl]methylene]-2,5cyclohexadien-1-ylidene]-N-methyl-, salt with 2,2'-(1,2-ethenediyl)bis[5[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2yl]amino]benzenesulfonic acid] (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 82574-77-4

CMF C40 H42 N12 O10 S2

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CM 2

CRN 7438-46-2 CMF C25 H30 N3

IT 82833-24-7

RL: USES (Uses)

(fluorescent brighteners containing, for improved whitening efficiency, for polyester fibers)

RN 82833-24-7 CAPLUS

CN Methanaminium, N-[4-[[4-(dimethylamino)phenyl]][4-(methylamino)phenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, salt with 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzenesulfonic acid] (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 82833-23-6

CMF C38 H38 N12 O8 S2

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PAGE 1-B

CM 2

CRN 18454-19-8 CMF C24 H28 N3

L4ANSWER 521 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN ΑN 1982:545385 CAPLUS DN 97:145385 TI Ways to deactivate light-induced excited states of additives in polymers ΑU Claussen, Uwe Zentralbereich Forsch. Entwickl., BAYER A.-G., Leverkusen, Fed. Rep. Ger. CS Forschungsber. - Bundesminist. Forsch. Technol., SO Weltraumforsch./Weltraumtechnol. (1981), BMFT-FB-W 81-046, 35 pp. CODEN: BMFTA9; ISSN: 0170-1312 DTReport LΑ German ΙT 4404-43-7 83176-36-7 83176-37-8 83176-38-9 83176-39-0 83176-40-3 83176-41-4 RL: USES (Uses)

(aggregation of, in aqueous solns. and bulk polymers, spectroscopic detection of)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

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RN 83176-36-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[2-hydroxy-1-(hydroxymethyl)-1-methylethyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

---- NHPh

RN 83176-37-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxy-1,1-dimethylethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CP INDEX NAME)

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PAGE 1-B

— он

RN 83176-38-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[2-hydroxy-1,1-bis(hydroxymethyl)ethyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-(9CI) (CA INDEX NAME)

RN 83176-39-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[ethyl(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

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RN 83176-40-3 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[butyl(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 83176-41-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)(1-methylethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

— cн₂- он

IT 35632-99-6 54822-17-2 83176-33-4

83176-34-5 83176-35-6

RL: USES (Uses)

(aggregation of, in water and bulk polymers, spectroscopic detection of)

RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 54822-17-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(ethylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 83176-33-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylpropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 83176-34-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(1,1-dimethylethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 83176-35-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(1-methylethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 522 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1982:511290 CAPLUS

DN 97:111290

TI Fluorescent salt dyes

PA Showa Chemical Industries, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 11 pp. CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 57025364	A2	19820210	JP 1980-99345	19800722
	JP 63024547	В4	19880520		
	US 4374643	Α	19830222	US 1981-284532	19810720
	DE 3128782	A 1	19820609	DE 1981-3128782	19810721
	CA 1169204	A1	19840619	CA 1981-382153	19810721
	GB 2082195	Α	19820303	GB 1981-22571	19810722
	BR 8104738	Α	19820413	BR 1981-4738	19810722
PRAI	JP 1980-99345	Α	19800722		
	JP 1980-99346	Α	19800722		
IT	82574-52-5 82574-53-	-6 825	74-72-9		•
	82574-78-5 82574-79-	-6 825	74-80-9	•	
	82584-32-5 82584-33-	-6 8258	84-35-8		
	RL: MSC (Miscellane				
	(dyes, fluorescen	•			
RN	82574-52-5 CAPLUS				

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, compd. with N,N,N',N'-tetramethyl-9-phenyl-3,6-acridinediamine (1:2) (9CI) (CA

INDEX NAME)

CM 1

CRN 31449-69-1

CMF C36 H36 N12 O8 S2

PAGE 1-B

 \sim NH-CH₂-CH₂-OH

CM 2

CRN 16292-14-1 CMF C23 H23 N3

Ph Me₂N NMe₂

RN 82574-53-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, compd. with N,N,N',N'-tetramethyl-9-phenyl-3,6-acridinediamine (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 16292-14-1 CMF C23 H23 N3

Ph Me₂N NMe₂

CM 2

CRN 4404-43-7 CMF C40 H44 N12 O10 S2

PAGE 1-B

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RN 82574-72-9 CAPLUS

CN Methanaminium, N-[4-[[4-(diethylamino)phenyl]][4-(methylamino)phenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, salt with 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzenesulfonic acid] (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 82574-71-8 CMF C26 H32 N3

CM 2

CRN 82574-70-7

CMF C36 H34 N12 O8 S2

SO3-

PAGE 1-B

NHPh

so3-

PAGE 1-A

_ NH- CH2- CH2- OH

RN 82574-78-5 CAPLUS

CN Methanaminium, N-[4-[bis[4-(dimethylamino)phenyl]methylene]-2,5cyclohexadien-1-ylidene]-N-methyl-, salt with 2,2'-(1,2-ethenediyl)bis[5[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2yl]amino]benzenesulfonic acid] (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 82574-77-4 CMF C40 H42 N12 O10 S2

NHPh

PAGE 1-B

- сн $_2-$ он

CM 2

CRN 7438-46-2 CMF C25 H30 N3

RN 82574-79-6 CAPLUS

Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(methylamino)phenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, salt with 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzenesulfonic acid] (2:1) (9CI) (CA INDEX NAME)

CM 1

CN

CRN 82574-77-4

CMF C40 H42 N12 O10 S2

PAGE 1-B

— cн₂- он

CM 2

CRN· 18454-19-8 CMF C24 H28 N3

RN 82574-80-9 CAPLUS

CN Methanaminium, N-[4-[bis[4-(dimethylamino)phenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, salt with 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzenesulfonic acid] (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 82574-70-7

CMF C36 H34 N12 O8 S2

PAGE 1-B

 \sim NH- CH₂- CH₂- OH

CM 2

CRN 7438-46-2 CMF C25 H30 N3

RN 82584-32-5 CAPLUS

CN Ethanaminium, 2-[[[4-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]phenyl]sulfonyl]amino]-N,N-diethyl-N-methyl-, salt with

2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzenesulfonic acid] (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 82584-31-4 CMF C23 H31 N6 O3 S

Ph N Me

O N

N

N

N

N

Me

O S- NH-
$$CH_2$$
- CH_2 - N - Et

O Et

CM 2

CRN 82584-30-3 CMF C32 H26 N12 O6 S2

RN 82584-33-6 CAPLUS

CN Xanthylium, 9-(2-carboxyphenyl)-3,6-bis(diethylamino)-, salt with 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzenesulfonic acid] (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 82574-77-4

CMF C40 H42 N12 O10 S2

PAGE 1-A

PAGE 1-B

— сн₂— он

CM 2

CRN 64381-98-2 CMF C28 H31 N2 O3

RN 82584-35-8 CAPLUS

CN Phenazinium, 3,7-diamino-2,8-dimethyl-5-phenyl-, salt with 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzenesulfonic acid] (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 82584-34-7

CMF C40 H38 N12 O8 S2

CM 2

CRN 7006-08-8 CMF C20 H19 N4

L4 ANSWER 523 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1982:498020 CAPLUS

DN 97:98020

TI Fluorometric analysis of fluorescent brightening agents in natural waters

AU Komaki, Motoko; Yabe, Akihiko

CS Dep. Hum. Environ., Ochanomizu Univ., Tokyo, 112, Japan

SO Nippon Kagaku Kaishi (1982), (5), 859-67 CODEN: NKAKB8; ISSN: 0369-4577

DT Journal

LA Japanese

IT 24019-80-5

RL: ANT (Analyte); ANST (Analytical study)
(determination of, in river water, fluorometric method for)

RN 24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B



- L4 ANSWER 524 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1982:453669 CAPLUS
- DN 97:53669
- TI FITC-labeled lectins and calcofluor white ST as probes for the investigation of the molecular architecture of cell surfaces. Studies on conjugatophycean species
- AU Von Sengbusch, P.; Mix, Marianne; Wachholz, Irmhild; Manshard, Elsbeth
- CS Inst. Allgemeine Bot. Bot. Garten, Univ. Hamburg, Hamburg, D-2000/36, Fed. Rep. Ger.
- SO Protoplasma (1982), 111(1), 38-52 CODEN: PROTA5; ISSN: 0033-183X
- DT Journal
- LA English
- IT 4404-43-7

RL: BIOL (Biological study)

(conjugatophycean cell surface binding of, cellulose in relation to)

- RN 4404-43-7 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

— cн₂- он

- L4 ANSWER 525 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1982:440662 CAPLUS
- DN 97:40662
- TI Determination of fluorescent whitening agents in detergents by high-performance liquid chromatography
- AU Tsuji, Kiyomi; Setsuda, Setsuko; Naito, Syoji; Abe, Akemi
- CS Kanagawa Prefect. Health Lab., Kanagawa, Japan
- SO Kanagawa-ken Eisei Kenkyusho Kenkyu Hokoku (1981), (11), 65-7 CODEN: KEKHB8; ISSN: 0303-0350
- DT Journal
- LA Japanese
- IT 16090-02-1 24019-80-5

RL: ANT (Analyte); ANST (Analytical study)

(determination of, in detergents, liquid chromatog. for)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B



- L4 ANSWER 526 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1982:440208 CAPLUS
- DN 97:40208
- TI Determination of light resistance of some fluorescent brighteners applied to textiles
- AU Calin, Carol; Mihai, Angela; Stoenescu, Caterina
- CS Intreprinderea de Medicamente si Coloranti "Sintofarm", Bucharest, Rom.
- SO Revistade Chimie (Bucharest, Romania) (1982), 33(2), 117-24 CODEN: RCBUAU; ISSN: 0034-7752
- DT Journal
- LA Romanian
- IT 20579-01-5

RL: PRP (Properties)

(light resistance of, determination of, on textiles)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 527 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1982:201628 CAPLUS

DN 96:201628

TI Detergents containing fluorescent brighteners

PA Lion Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	JP 57002399	A2	19820107	JP 1980-76260	19800606
PRAI	JP 1980-76260	Α	19800606		
IT	24019-80-5				
	DI . HEES /HEAS				

RL: USES (Uses)

(fluorescent brighteners, for laundry detergents)

RN 24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-B



L4 ANSWER 528 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1982:132835 CAPLUS

DN 96:132835

TI Performance of Ranipal 4 BM as a laser dye

AU Itagi, Sharada; Kulkarni, Aruna

CS Marathwada Univ., Aurangabad, 431 004, India

SO Indian Journal of Pure and Applied Physics (1982), 20(1), 68-9 CODEN: IJOPAU; ISSN: 0019-5596

DT Journal

LA English

IT 4193-55-9

RL: PRP (Properties); RCT (Reactant); RACT (Reactant or reagent) (fluorescence and absorption spectra and laser emission by)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

- cн₂- он

L4 ANSWER 529 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1982:102756 CAPLUS

DN 96:102756

TI Analysis of color-retaining powders (fluorescent dyes) illegally added to imported food

AU Ito, Yoshio; Suzuki, Hideyo; Ogawa, Shunjiro; Toyoda, Masatake; Tonogai, Yasuhide; Iwaida, Masahiro

CS Osaka Branch Lab., Natl. Inst. Hyg. Sci., Osaka, 540, Japan

SO Eisei Shikensho Hokoku (1981), (99), 66-8 CODEN: ESKHA5; ISSN: 0077-4715

DT Journal

LA Japanese

IT 23149-46-4

RL: BIOL (Biological study)

(of coloring powder, for fish)

RN 23149-46-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, sodium salt (9CI) (CA INDEX NAME)

●x Na

PAGE 1-B

— сн₂— он

L4 ANSWER 530 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1982:98913 CAPLUS

DN 96:98913

TI Photodynamic action of some fluorescent brighteners

AU Kunec-Vajic, E.; Supek, Z.

CS Zavod Farmakol., Med. Fak., Zagreb, Yugoslavia

SO Arhiv za Higijenu Rada i Toksikologiju (1981), 32(2), 181-5 CODEN: AHRTAN; ISSN: 0004-1254

DT Journal

LA Serbo-Croatian

IT 20579-01-5

RL: PROC (Process)

(photodynamic action of, on skin)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 531 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1982:87457 CAPLUS

DN 96:87457

TI Coated white diphenyl and stilbene fabric brighteners

IN Gregg, John Albert; Severson, Roland George

PA Procter and Gamble Co., USA

SO Brit. UK Pat. Appl., 12 pp. CODEN: BAXXDU

DT Patent

LA English

FAN.CNT 1

	0111 1					
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
					 -	
PΙ	GB 2076011	Α	19811125	GB 1981-14544	19810513	
	JP 57078499	A2	19820517	JP 1981-75590	19810519	
PRAI	US 1980-151231	Α	19800519			
	US 1981-223552	Α	19810109			
T (T)	1 6000 00 1					

IT 16090-02-1

RL: USES (Uses)

(fluorescent brighteners, containing hydroxy compds. for improved whiteness in detergent powders)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

- L4 ANSWER 532 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1982:74245 CAPLUS
- DN 96:74245
- TI Behavior and mass balance of fluorescent brightening agents in the environment
- AU Komaki, Motoko; Kawasaki, Miyako; Yabe, Akihiko
- CS Ochanomizu Univ., Tokyo, Japan

SO Sen'i Gakkaishi (1981), 37(11), T489-T495 CODEN: SENGA5; ISSN: 0037-9875

DT Journal

LA English

IT 24019-80-5

RL: OCCU (Occurrence)
(water pollutant, behavior and mass balance of, in river)

RN 24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B



L4 ANSWER 533 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1982:69047 CAPLUS

DN 96:69047

TI White form sodium 4,4'-bis(6-morpholino-4-anilinotriazinyl-2-amino)stilbene-2,2'-disulfonate

IN Pirkl, Jaromir; Fisar, Ctibor

PA Czech.

SO Czech., 3 pp. CODEN: CZXXA9

DT Patent

LA Czech

FAN.CNT 1

CAN.	CNT 1				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PΙ	CS 189499	В	19790430	CS 1977-6020	19770916
PRAI	CS 1977-6020	Α	19770916		
IT	16090-02-1P				
	RL: SPN (Synthetic)	prepara	tion); PREP	(Preparation)	
	(preparation of)				
RN	16090-02-1 CAPLUS				

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

CN

●2 Na

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ANSWER 534 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
     1982:53749 CAPLUS
AN
DN
     96:53749
TI
     Stable aqueous formulations of stilbene brighteners
IN
     Fringeli, Werner; Lauton, Alain
PA
     Ciba-Geigy A.-G., Switz.
     Eur. Pat. Appl., 34 pp.
     CODEN: EPXXDW .
DT
     Patent
LA
     German
FAN.CNT 1
     PATENT NO.
                          KIND
                                 DATE
                                             APPLICATION NO.
                                                                     DATE
ΡI
     EP 32483
                           A2
                                 19810722
                                             EP 1981-810007
                                                                      19810108
     EP 32483
                           А3
                                 19820217
     EP 32483
                           В1
                                 19840222
         R: AT, BE, CH, DE, FR, GB, IT, NL
     US 4339238
                           Α
                                 19820713
                                             US .1981-223173
                                                                     19810107
     CA 1156403
                           A1
                                 19831108
                                             CA 1981-368312
                                                                     19810112
     AU 8166176
                          A1
                                 19810723
                                             AU 1981-66176
                                                                     19810113
                          A .
                                             BR 1981-170
     BR 8100170
                                 19810728
                                                                     19810113
                                             ZA 1981-200
     ZA 8100200
                          Α
                                 19820127
                                                                     19810113
     ES 498460
                                                                     19810113
                          A1
                                 19820701
                                             ES 1981-498460
     JP 56104970
                          A2
                                 19810821
                                             JP 1981-3335
                                                                     19810114
     DD 157267
                          С
                                 19821027
                                             DD 1981-226985
                                                                     19810114
PRAI CH 1980-265
                          Α
                                 19800114
IT
     4193-55-9
     RL: USES (Uses)
        (fluorescent brighteners, aqueous formulations containing, with stability
        toward hard water and metal catalyst ions)
RN
     4193-55-9 CAPLUS
```

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-

salt (9CI) (CA INDEX NAME)

hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

Na

PAGE 1-B

— cн₂- он

L4 ANSWER 535 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1982:36731 CAPLUS

DN 96:36731

Study of the light stability of fluorescent whiteners in relation to their ΤI concentration on cellulose acetate fibers

ΑU Jazbutis, T.; Mikeliene, L.; Paulauskas, A.; Tumeniene, D.

Vyl'nius. Gos. Inst., Vilnius, USSR CS

SO Lietuvos TSR Aukstuju Mokyklu Mokslo Darbai, Chemija ir Chemine Technologija (1980), 22, 42-5 CODEN: LAMCAJ; ISSN: 0459-3391

DT Journal

LА Russian

IT 20579-01-5

RL: USES (Uses)

(acetate fibers containing, photostability of)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

🕽 2 Na

L4ANSWER 536 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN 1982:31072 CAPLUS

AN

DN 96:31072

TI Microfluorimetric quantitation of cellulose biosynthesis by plant protoplasts using Calcofluor White

AU Galbraith, David W.

CS Sch. Life Sci., Univ. Nebraska, Lincoln, NE, 68588, USA

SO Physiologia Plantarum (1981), 53(2), 111-16 CODEN: PHPLAI; ISSN: 0031-9317

DT Journal

LA English

IT 4404-43-7

RL: ANST (Analytical study)

(cell walls of cultured tobacco protoplasts staining by, cellulose biosynthesis determination in relation to)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

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L4 ANSWER 537 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1982:21648 CAPLUS

DN 96:21648

TI Bleaching detergent compositions

IN Eymond, Philip Richard Norman; Butterworth, Robert Michael

PA Unilever N. V. , Neth.; Unilever PLC

SO Eur. Pat. Appl., 19 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN. CNT 1

L'UIA.	CIAI	_														
	PAT	CENT I	NO.			KINI	D	DATE		i	APP	LICAT	NOI	NO.	DATE	
							-								 	
PI	EP	3669	1			A 1		1981	0930]	EΡ	1981-	-2003	01	1981	0317
	EΡ	3669	1			В1		1984	0606							
		R:	ΑT,	ΒE,	CH,	DE,	FR	, GB,	IT,	NL,	SE	:				
	AΤ	7799				E		1984	0615	1	$\mathbf{T}\mathbf{A}$	1981-	-2003	01	1981	0317
	ИО	8100	944			Α		1981	0922	1	ON	1981-	-944		1981	0319

	NO 153894	В	19860303		
	NO 153894	С	19860611		
	AU 8168542	A1	19810924	AU 1981-68542	19810319
	AU 537355	B2	19840621		
	US 4329245	Α	19820511	US 1981-245467	19810319
	ZA 8101835	Α	19821027	ZA 1981-1835	19810319
	JP 56136900	A2	19811026	JP 1981-39684	19810320
	JP 60019958	B4	19850518		
	ES 500581	A1	19830201	ES 1981-500581	19810320
	CA 1158519	A1	19831213	CA 1981-373533	19810320
PRAI	GB 1980-9636	Α	19800321		
	EP 1981-200301	Α	19810317		
ፐጥ	16090-02-1				

RL: USES (Uses)

(fluorescent brighteners, stabilizers for, in bleaching detergents)

16090-02-1 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

ANSWER 538 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1981:605429 CAPLUS ΑN

95:205429 DN

TI Fluorescent whitener

(CA INDEX NAME)

PA Mitsui Toatsu Chemicals, Inc., Japan

Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

Patent

LA FAN.	Japanese CNT 1				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI PRAI	JP 56103246 JP 1980-5262	A2 A	19810818 19800122	JP 1980-5262	19800122
IT	34372-32-2P RL: PREP (Preparati				
RN .	(fluorescent whi 34372-32-2 CAPLUS	tener,	β-form, with	improved whiteness, m	anufacture of)
CN	Benzenesulfonic aci methylphenyl)amino]			diyl)bis[5-[[4-[(2- 1,3,5-triazin-2-yl]ami	no]- (9CI)

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PAGE 1-B

L4 ANSWER 539 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1981:605404 CAPLUS

DN 95:205404

TI Photochemical properties of stilbene-based luminophors

AU Studzinskii, O. P.; Makashev, Yu. A.; Evdokimov, V. F.; Seleznev, V. N.

CS Leningr. Inst. Sov. Torg., Leningrad, USSR

SO Izvestiya Vysshikh Uchebnykh Zavedenii, Khimiya i Khimicheskaya Tekhnologiya (1981), 24(6), 723-7 CODEN: IVUKAR; ISSN: 0579-2991

DT Journal

LA Russian

IT 20579-01-5

RL: USES (Uses)

(fluorescent brighteners, photochem. properties of,

fluorescence-spectroscopic study of)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 540 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1981:534360 CAPLUS

DN 95:134360

TI Excitation of the fluorescence of fluorescent brighteners on cellulose support

AU Szteke, Barbara; Skulski, Lech

CS Pol.

SO Organika (1980) 95-101

CODEN: ORGAD2; ISSN: 0137-9933

DT Journal

LA Polish

IT 16090-02-1

RL: PRP (Properties)

(fluorescence excitation and absorption spectra of, on cellulose support)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

L4 ANSWER 541 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1981:534256 CAPLUS

DN 95:134256

TI Enhancement of fluorescence during pad-batch whitening of cotton cloth

AU Levene, R.; Magrizo, S.

CS Israel Fiber Inst., Jerusalem, Israel

SO Textile Research Journal (1981), 51(9), 559-63

CODEN: TRJOA9; ISSN: 0040-5175

DT Journal

LA English

IT 4404-43-7

RL: USES (Uses)

(fluorescent whitening by, of cotton textiles, mechanism and optimization of)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-

hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

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L4 ANSWER 542 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1981:529021 CAPLUS

DN 95:129021

 ${\tt TI}$ Probing the relationship of polymerization and crystallization in the biogenesis of cellulose I

AU Haigler, Candace H.; Brown, R. Malcolm, Jr.

CS Dep. Bot., Univ. North Carolina, Chapel Hill, NC, 27514, USA

SO Ekman-Days 1981, Int. Symp. Wood Pulping Chem. (1981), Volume 5, 14-16 Publisher: SPCI, Stockholm, Swed. CODEN: 46EMAG

DT Conference

LA English

IT 4404-43-7

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study) (cellulose formation by Acetobacter xylinum response to)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

— сн2— он

L4 ANSWER 543 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1981:499620 CAPLUS

DN 95:99620

TI Coating material for paper

Fuji Chemical Co., Ltd., Japan PA

Jpn. Kokai Tokkyo Koho, 5 pp. SO

CODEN: JKXXAF

DTPatent

LΑ Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 56043498	A2	19810422	JP 1979-120453	19790918
JP 60017880	В4	19850507		
PRAI JP 1979-120	453 A	19790918		
IT 17958-73-5		•		

RL: USES (Uses)

(fluorescent brighteners, coatings containing alkali cellulosebutyrolactone-ethylene oxide reaction product and, for paper)

17958-73-5 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

PAGE 1-B

~ nн- cн₂- cн₂- он

L4ANSWER 544 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

1981:445149 CAPLUS AN

DN 95:45149

ΤI Washing and softening compositions

Hardy, Frederick Edward; Stoddart, Barry IN

Procter and Gamble Co., USA; Procter and Gamble Ltd. PA

SO Eur. Pat. Appl., 31 pp. CODEN: EPXXDW

DΤ Patent LΑ English

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE PΙ EP 26013 **A**1 19810401 EP 1980-200842 19800910

	EP 26013	B1	19830907		
	R: AT, BE, CH,	DE,	FR, GB, IT, NI	L	
	AT 4600	E	19830915	AT 1980-200842	19800910
	US 4294711	Α	19811013	US 1980-187371	19800915
	ES 495184	A1	19810901	ES 1980-495184	19800919
	CA 1141108	A 1	19830215	CA 1980-360654	19800919
	JP 56095996	A2	19810803	JP 1980-131422	19800920
PRAI	GB 1979-32918	Α	19790921		
	EP 1980-200842	Α	19800910		
IT	16090-02-1 35632-99	-6		•	

RL: USES (Uses)

(fluorescent whiteners, laundry detergent containing fabric softeners and, yellowing-resistant)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 545 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1981:441872 CAPLUS

DN 95:41872

TI Effect of heavy ions on the photochemical decomposition of fluorescent whiteners

AU Proskuryakova, T. V.; Studzinskii, O. P.; Makashev, Yu. A.

CS Leningr. Inst. Sov. Torg., Leningrad, USSR

SO Zhurnal Obshchei Khimii (1981), 51(3), 715 CODEN: ZOKHA4; ISSN: 0044-460X

DT Journal

LA Russian

IT 20579-01-5

RL: RCT (Reactant); RACT (Reactant or reagent) (photolysis of, effect of iodide on)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-

1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

. L4 ANSWER 546 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1981:429812 CAPLUS

DN 95:29812

TI Quantitative analysis of fluorescent whitening agents by fluorescence intensity measurement

AU Katayama, Michiko; Abe, Sachiko

CS Tokyo Domest. Sci. Univ., Tokyo, Japan

SO Kaseigaku Zasshi (1979), 30(10), 903-6 CODEN: KGZAA7; ISSN: 0449-9069

DT Journal ·

LA Japanese

IT 77855-72-2

RL: ANT (Analyte); ANST (Analytical study)

(determination of, in activated-sludge-containing wastewater, fluorescence intensity $\dot{\text{in}}$)

RN 77855-72-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

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L4ANSWER 547 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1981:408817 CAPLUS

DN 95:8817

Stilbene-based fluorescent whitener compositions ΤI

IN Noll, Bernd; Weinelt, Herbert; Keil, Siegfried; Kipping, Wolfgang

VEB Chemiekombinat Bitterfeld, Ger. Dem. Rep. PA

SO Ger. (East), 6 pp.

CODEN: GEXXA8

DTPatent

German LA

FAN.CNT 1

PAN.	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PRAI	DD 145017 DD 1977-199511 16090-02-1P	T A1	19801119 19770616	DD 1977-199511	19770616
11	RL: PREP (Preparati (fluorescent bri	•	, beta-form,	manufacture of)	

16090-02-1 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

🕨 2 Na

L4ANSWER 548 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1981:210278 CAPLUS

DN 94:210278

ΤI Luminescence properties of water-soluble fluorescent brighteners

ΑU Studzinskii, O. P.; Rtishchev, N. I.; Proskuryakova, T. V.

CS Leningr. Inst. Sovetskoi Torgovli, Leningrad, USSR

SO Izvestiya Vysshikh Uchebnykh Zavedenii, Tekhnologiya Tekstil'noi Promyshlennosti (1980), (6), 59-62 CODEN: IVTTAF; ISSN: 0021-3497

DT Journal

LA Russian

IT 20579-01-5

RL: PRP (Properties)

(fluorescence spectra of, in solution and on cotton)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 549 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1981:155139 CAPLUS

DN 94:155139

TI Detection of a fluorescent dye in boiled, dried larval fish

AU Ito, Yoshio; Tonogai, Yasuhide; Toyoda, Masatake; Suzuki, Hideyo; Ogawa, Shunjiro; Iwaida, Masahiro

CS Osaka Branch, Natl. Inst. Hyg. Sci., Osaka, Japan

SO Shokuhin Eiseigaku Zasshi (1980), 21(6), 435-41 CODEN: SKEZAP; ISSN: 0015-6426

DT Journal

LA Japanese

IT 59453-69-9

RL: BIOL (Biological study)

(in fish)

RN 59453-69-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1E)-1,2-ethenediylbis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Double bond geometry as shown.

•2 Na

L4 ANSWER 550 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1981:147735 CAPLUS

DN 94:147735

TI Study of properties of fluorescent whitening agents by electron and luminescence spectroscopic methods

AU Studzinskii, O. P.; Grebenkina, V. M.

10/519,031

CS USSR

SO Zhurnal Prikladnoi Spektroskopii (1980), 33(6), 1117-19

CODEN: ZPSBAX; ISSN: 0514-7506

DT Journal

LA Russian

IT 20579-01-5

RL: PRP (Properties)

(electronic absorption and luminescence properties of, optical

bleaching in relation to)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-

1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 551 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1981:141077 CAPLUS

DN 94:141077

TI Bleaching of Jacquard fabrics made of textured acetate fibers

AU Tumeniene, D.; Libonas, J.; Kotenko, N. M.

CS Lit. Nauchno-Issled. Inst. Tekst. Prom., Kaunas, USSR

SO Tekstil'naya Promyshlennost (Moscow, Russian Federation) (1981), (1), 55-7

CODEN: TTLPA2; ISSN: 0040-2397

DT Journal

LA Russian

IT 20579-01-5

RL: USES (Uses)

(optimization of use of, in bleaching of diacetate fabrics)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-

1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 552 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1981:104906 CAPLUS

DN 94:104906

ΤI Fluorescent whiteners

IN Pirkl, Jaromir

PA Czech.

SO Czech., 2 pp. CODEN: CZXXA9

DTPatent

LΑ Czech

FAN.	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PΙ	CS 183350	В	19800515	CS 1976-7642	19761126
PRAI	CS 1976-7642		19761126		•
IT	16090-02-1				

RL: USES (Uses)

(fluorescent brightener, water-dispersible compns. containing)

RN 16090-02-1 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) NAME)

Na

L4 ANSWER 553 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1981:85657 CAPLUS

94:85657 DN

Evaluation of the light stability of bleaching liquors of optical TI whiteners

ΑU Studzinskii, O. P.; Grebenkina, V. M.; Makashev, Yu. A.; Gil'fanov, R. G.

CS Leningr. Inst. Sov. Torg., Leningrad, USSR

SO Zhurnal Prikladnoi Khimii (Sankt-Peterburg, Russian Federation) (1980), 53(9), 2146-9 CODEN: ZPKHAB; ISSN: 0044-4618

DΤ Journal

Russian LΑ

IT 20579-01-5

RL: USES (Uses)

(light stability of, in aqueous solution)

RN20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 554 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1981:67618 CAPLUS

DN 94:67618

TI The determination of optical brighteners in laundry detergents by reverse phase and ion pair high performance liquid chromatography

AU McPherson, B. P.; Omelczenko, N.

CS Colgate-Palmolive Co., Piscataway, NJ, 08854, USA

SO Journal of the American Oil Chemists' Society (1980), 57(11), 388-91 CODEN: JAOCA7; ISSN: 0003-021X

DT Journal

LA English

IT 4404-43-7 24231-46-7 35632-99-6

52435-15-1

RL: ANT (Analyte); ANST (Analytical study)

(determination of, in laundry detergents, high-performance liquid

chromatog. for)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

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RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-

(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 52435-15-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

L4

AN 1981:27098 CAPLUS

DN 94:27098

- TI Cellulose biogenesis: Polymerization and crystallization are coupled processes in Acetobacter xylinum
- AU Benziman, Moshe; Haigler, Candace H.; Brown, R. Malcolm, Jr.; White, Alan R.; Cooper, Kay M.
- CS Dep. Bot., Univ. North Carolina, Chapel Hill, NC, 27514, USA
- SO Proceedings of the National Academy of Sciences of the United States of America (1980), 77(11), 6678-82 CODEN: PNASA6; ISSN: 0027-8424

DT Journal

LA English

IT 4404-43-7

RL: BIOL (Biological study)

(cellulose formation by Acetobacter xylinum stimulation by)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

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L4 ANSWER 556 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1981:698 CAPLUS

DN 94:698

TI Calcofluor White ST alters the in vivo assembly of cellulose microfibrils

AU Haigler, Candace H.; Brown, R. Malcolm, Jr.; Benziman, M.

CS Dep. Bot., Univ. North Carolina, Chapel Hill, NC, 27514, USA

SO Science (Washington, DC, United States) (1980), 210(4472), 903-6 CODEN: SCIEAS; ISSN: 0036-8075

DT Journal

LA English

IT 4404-43-7 RL: PRP (Properties)

(cellulose microfibril formation response to, in Acetobacter xylinum)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA

INDEX NAME)

PAGE 1-A PhNH NHPh и- сн2-SO3H SO3H $HO-CH_2-CH_2-N$ $HO-CH_2-CH_2$ CH2- CH2- ОН

PAGE 1-B

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L4 ANSWER 557 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1980:641075 CAPLUS

DN 93:241075

ΤI Determination of quality indexes of fluorescent brighteners

AU Rybalko, V. V.; Studzinskii, O. P.; Makashev, Yu. A.

CS

SO Sb. Nauch. Tr. Zaoch. In-t Sov. Torgovli, RSFSR (1979), (9), 26-8

From: Ref. Zh., Khim. 1980, Abstr. No. 15T679

DTJournal

LA Russian

20579-01-5 IT

RL: USES (Uses)

(fluorescent whiteners, quality of)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4ANSWER 558 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

1980:622157 CAPLUS AN

DN 93:222157

TI Storage-stable concentrated aqueous solutions of optical whitening agents containing sulfo groups

IN Fringeli, Werner

PA Ciba-Geigy A.-G., Switz.

SO Braz. Pedido PI, 31 pp.

CODEN: BPXXDX

DT Patent

LA Portuguese

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	BR 7904506	Α	19800408	BR 1979-4506	19790716
	US 4364845	Α	19821221	US 1979-55417	19790706
	DE 2928053	A1	19800131	DE 1979-2928053	19790711
	DD 144934	С	19801112	DD 1979-214327	19790713
	CA 1145507	A1	19830503	CA 1979-331765	19790713
	JP 55016085	A2	19800204	JP 1979-89365	19790716
	FR 2431531	A1	19800215	FR 1979-18399	19790716
	FR 2431531	B1	19830218		
	ES 482501	A1	19800801	ES 1979-482501	19790716
PRAI	СН 1978-7706	Α	19780717		

IT 4193-55-9

RL: USES (Uses)

(fluorescent brighteners, stabilization of concentrated aqueous solns. of,

by

caprolactam)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

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L4 ANSWER 559 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1980:621887 CAPLUS

DN 93:221887

TI Stilbene-containing fluorescent whitening solution

IN Fringeli, Werner

PA Ciba-Geigy A.-G., Switz.

SO Braz. Pedido PI, 27 pp.

CODEN: BPXXDX

DT Patent

LA Portuguese

FAN.CNT 2

	ONI Z				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	BR 7904505	Α	19800408	BR 1979-4505	19790716
	DE 2928052	A 1	19800131	DE 1979-2928052	19790711
	DD 145291	С	19801203	DD 1979-214329	19790713
	JP 55016086	A2	19800204	JP 1979-89366	19790716
	JP 62023987	B4	19870526		
	FR 2431532	A1	19800215	FR 1979-18400	19790716
	FR 2431532	B1	19820730		
	ES 482502	A 1	19800901	ES 1979-482502	19790716
	US 4605511	Α	19860812	US 1982-397273	19820712
PRAI	CH 1978-7707	Α	19780717		
	US 1979-55418	A1	19790706		
	US 1981-251834	A 1	19810408		
TM	4102 EE 0				

IT 4193-55-9

RL: USES (Uses)

(fluorescent brighteners, stabilizers for aqueous solns. of, tallow amine derivs. as)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

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$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2-N$
 $N-CH_2-CH_2-N$
 $N-CH_2-CH_2-$

●2 Na

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L4 ANSWER 560 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1980:606520 CAPLUS

DN 93:206520

TI Colorless fluorescent whiteners from bis(triazinylamino)stilbenedisulfonic acid compounds

IN Uhl, Klaus; Frischkorn, Hans; Martini, Thomas

PA Hoechst A.-G., Fed. Rep. Ger.

Ger. Offen., 13 pp. so

CODEN: GWXXBX

Patent DT

LΑ German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
					-
ΡI	DE 2902975	A1	19800807	DE 1979-2902975	19790126
	EP 13981	A1	19800806	EP 1980-100346	19800123
	R: CH, DE, FR,	GB, IT			
	US 4271036	Α	19810602	US 1980-114665	19800123
	JP 55099963	A2	19800730	JP 1980-7003	19800125
PRAI	DE 1979-2902975	Α	19790126		
IT	13863-31-5 16090-02	-1 5243	5-15-1		

13863-31-5 16090-02-1 52435-15-1

75544-51-3

RL: USES (Uses)

(fluorescent brighteners, decolorization of, by heating with alkoxylates)

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2hydroxyethyl) methylamino] -6-(phenylamino) -1, 3, 5-triazin-2-yl] amino] -, disodium salt (9CI) (CA INDEX NAME)

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●2 Na

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RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

RN 52435-15-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

PhNH
NH
NH
NH
HO3S
NH
NH
NHPh
NHPh
NCH2
Me

PAGE 1-B

— cн₂- он

RN 75544-51-3 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[2-(acetylamino)ethyl]methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

•2 Na

PAGE 1-B

L4 ANSWER 561 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1980:606504 CAPLUS

DN 93:206504

TI Investigations on the action of optical brighteners in washing powders

AU Soljacic, I.; Grancaric, A. M.; Pecina, S.; Katovic, D.

CS Inst. Text.-Technol., Univ. Zagreb, Zagreb, YU-41000, Yugoslavia

SO Textilveredlung (1980), 15(7), 242-6 CODEN: TXLVAE; ISSN: 0040-5310

DT Journal

LA German

IT 16090-02-1

RL: USES (Uses)

(fluorescent whiteners, for cotton fibers, degree of fluorescence and whiteness of, effect of repeated washing on)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

L4ANSWER 562 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

1980:569666 CAPLUS AN

DN 93:169666

Colorless, stable crystal modification of alkali salts of ΤI 4,4'-bis[2"-anilino-4"-(N-methyl- β -hydroxyethylamino)-1",3",5"triazinyl-6"-amino]stilbene-(2,2')-disulfonic acid Frischkorn, Hans; Schinzel, Erich; Martini, Thomas

IN

PA Hoechst A.-G., Fed. Rep. Ger.

SO Ger. Offen., 8 pp. CODEN: GWXXBX

DTPatent

LΑ German

FAN.	CNT 1 PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
					-
ΡI	DE 2900278	A1	19800724	DE 1979-2900278	19790105
PRAI	DE 1979-2900278	Α	19790105		
IT	13863-31-5P				
	RL: PREP (Preparati	on)	•	· ·	
	(manufacture of	colorle	ess and stab	le crystalline)	

13863-31-5 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-CN hydroxyethyl) methylamino] -6- (phenylamino) -1, 3, 5-triazin-2-yl]amino] -, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

IT 52435-15-1

RL: PROC (Process)

(neutralization and conversion of, to stable crystalline modification)

RN 52435-15-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-

hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

— cн₂- он

L4 ANSWER 563 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1980:552034 CAPLUS

DN 93:152034

TI Heavy duty ligand detergent compositions

IN Gray, Arthur Herbert

PA Colgate-Palmolive Co., USA

SO Brit. UK Pat. Appl., 5 pp.

CODEN: BAXXDU

DT Patent

LA English

FAN. CNT 1

FAN. CNT 1						
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
ΡI	GB 2028365	Α	19800305	GB 1979-28719	19790817	
	GB 2028365	В2	19830309			
	AU 7949724	A 1	19800228	AU 1979-49724	19780821	
	AU 522983	B2	19820708			
	BR 7905363	Α	19800520	BR 1979-5363	19790820	
PRAI	AU 1978-5598	Α	19780821		•	
IT	24565-13-7					

DI UCEC (No.

RL: USES (Uses)

(fluorescent brightener, heavy-duty storage-stable liquid detergent compns. containing)
24565-13-7 CAPLUS

RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(ethylamino)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX

2 Na

ANSWER 564 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

AN 1980:552031 CAPLUS

DN . 93:152031

White detergent powders containing fluorescent brighteners and TI aluminosilicates

IN Reuter, Herbert; Bloching, Helmut; Koch, Otto; Pioch, Lothar

Henkel K.-G.a.A., Fed. Rep. Ger. PA

Ger. Offen., 17 pp. SO

CODEN: GWXXBX

DTPatent

German LΑ

FAN.CNT 1

P	ATENT NO.	KIND	DATE	APPLICATION NO.	DATE
_					
PI D	E 2856087	A1	19800710	DE 1978-2856087	19781223
PRAI D	E 1978-2856087	Α	19781223		

4193-55-9 16090-02-1 31900-04-6

RL: USES (Uses)

(fluorescent brighteners, detergents containing polyoxyethylenes and, with improved whiteness)

RN 4193-55-9 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

— cн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

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ANSWER 565 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
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AN 1980:551545 CAPLUS

DN 93:151545

Optical brightener for cotton and its mixtures with polyester in semi- and ΤI fully continuous processes

AU Schuerings, W.

Ciba-Geigy A.-G., Basel, CH-4002, Switz. CS

Textilveredlung (1980), 15(7), 236-41 SO CODEN: TXLVAE; ISSN: 0040-5310

DT Journal

LΑ German

ΙT 4193-55-9

RL: USES (Uses)

(fluorescent brighteners, for cellulosic textiles, effect of bleaching on)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

2 Na

PAGE 1-B

— cн₂- он

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ANSWER 566 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
    1980:550936 CAPLUS
```

AN

93:150936 DN

Simple rapid thin-layer chromatographic method for the detection of ΤI optical brighteners in polymers

ΑU Lawrence, A. H.; Ducharme, D.

Lab. Sci. Serv. Div., Revenue Canada, Ottawa, ON, K1A OL5, Can. CS

SO Journal of Chromatography (1980), 194(3), 434-6 CODEN: JOCRAM; ISSN: 0021-9673

Journal DT

LΑ English

IT 16090-02-1

> RL: ANT (Analyte); ANST (Analytical study) (detection of, in polymers, thin-layer chromatog.)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 567 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1980:540969 CAPLUS

DN 93:140969

TI Electrostatic recording carrier

IN Yasuda, Tokuro; Yamauchi, Keiji

PA Oji Paper Co., Ltd., Japan

SO Ger. Offen., 40 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 3

FAN.	CNT 3 PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 2935140	A1	19800313	DE 1979-2935140	19790830
	DE 2935140	C2	19820527		
	JP 55033133	A2	19800308	JP 1978-106397	19780831
	JP 55033134	A2	19800308	JP 1978-106398	19780831
	JP 55108670	A2	1980.0821	JP 1979-15346	19790213
•	JP 58028578	B4	19830616		
	JP 55113053	A2 .	19800901	JP 1979-20712	19790226
	JP 58028579	B4	19830616		
	JP 55115046.	A2	19800904	JP 1979-21368	19790227
	AU 7950166	A1	19800306	AU 1979-50166	19790822
	AU 523779	B2	19820812		
	SE 7907222	Α	19800301	SE 1979-7222	19790830
	SE 439206	В	19850603		
	SE 439206	С	19850912		
PRAI	JP 1978-106397	Α	19780831		
	JP 1978-106398	Α	19780831		
	JP 1979-15346	Α	19790213、		
	JP 1979-20712	Α	19790226		
	JP 1979-21368	Α	19790227		•
IT	16090-02-1				
	DI . HODO (III)				

RL: USES (Uses)

(electrostatic recording carrier material containing)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 568 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1980:533835 CAPLUS

DN 93:133835

TI Concentrated aqueous solutions of sulfo group-containing fluorescent brighteners which are stable on storage

IN Fringeli, Werner

PA Ciba-Geigy A.-G., Switz.

SO Brit. UK Pat. Appl., 14 pp. CODEN: BAXXDU

DT Patent

LA English

FAN.CNT 2

1141.0111	_				•	
PA'	TENT NO.	KIND	DATE	APPI	LICATION NO.	DATE
PI GB	2026054	A	198001 3 0	GB 1	L979-24394	19790712
GB	2026054	B2	19821103			
US	4364845	Α	198212 2 1	US 1	1979-55417	19790706
DE	2928053	Al	19800131	DE 1	1979-2928053	19790711
DD	144934	С	198011 1 2	DD 1	1979-214327	19790713
CA	1145507	A1	19830503	CA 1	1979-331765	19790713
JP	55016085	A2	198002 0 4	JP 1	1979-89365	19790716
FR	2431531	A1	19800215	FR 1	1979-18399	19790716
FR	2431531	B1	19830218			
ES	482501	A1	19800 80 1	ES 1	979-482501	19790716
PRAI CH	1978-7706	Α	19780717			

IT 3224-72-4 4193-55-9 13863-31-5

16090-02-1

RL: USES (Uses)

(optical brighteners, storage-stable compns. containing)

RN 3224-72-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-methoxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

•2 Na

PAGE 1-B

-NH-(CH₂)₃-OMe

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

•2 Na

PAGE 1-B

— cн₂- он

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

— cн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 569 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1980:528300 CAPLUS

DN 93:128300

TI Fluorescent brightening agents for biological staining

AU Painter, James L.; Bedrick, Anthony E.; Bonitz, Dagmar Lutringer

CS Dep. Chem., New York Univ., New York, NY, USA

Immunopharmacology (1980), 2(3), 247-9 SO CODEN: IMMUDP; ISSN: 0162-3109

DTJournal

LΑ English

IT 4404-43-7

RL: PRP (Properties)

(optical properties of)

4404-43-7 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

— cн₂- он

L4 ANSWER 570 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

1980:515942 CAPLUS AN

93:115942 DN

Color-stable fluorescent whitener for washing composition ΤI

Martini, Thomas; Mengler, Helmut; Hohlfeld, Guenther; Hohlfeld, Guenther IN

PΑ Hoechst A.-G., Fed. Rep. Ger.

SO Ger. Offen., 14 pp.

CODEN: GWXXBX

DTPatent

LΑ German

DAM CAM 1

PAN.	FAN.CNT I							
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE			
PI	DE 2850382	A1	19800604	DE 1978-2850382	19781121			
	US 4263176	Α	19810421	US 1979-94830	19791116			
	JP 55073794	A2	19800603	JP 1979-149618	19791120			
	GB 2036821	Α	19800702	GB 1979-40054	19791120			
	FR 2442267	A1	19800620	FR 1979-28701	19791121			
	FR 2442267	B1	19811016					
PRAI	DE 1978-2850382	Α	19781121					
IT	56125-21-4 56125-26	-9 7472	23-97-0					
	74723-98-1 74724-02	-0						

RL: USES (Uses)

(fluorescent brightener mixture containing, for prevention of greening during

contact with alkanesulfonate)

RN 56125-21-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(acetylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

 \sim NH- (CH₂)₃-NHAc

RN 56125-26-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(acetylamino)propyl]methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

RN 74723-97-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(acetylamino)propyl]methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-(9CI) (CA INDEX NAME)

PAGE 1-B

RN 74723-98-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[methyl[3-[[(4-methylphenyl)sulfonyl]amino]propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

RN 74724-02-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis[3-(acetylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

- NHAC

IT 16090-02-1

RL: USES (Uses)

(greening of, in contact with alkanesulfonates, prevention of)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

- L4 ANSWER 571 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1980:515786 CAPLUS
- DN 93:115786
- TI Effectiveness and stability of two types of fluorescent whitening agents (FWA) in commercial laundering
- AU Sauer, Hans
- CS Inst. Waesherei, Hohensteiner Inst., Boernigheim, D-7124, Fed. Rep. Ger.
- SO Tenside Detergents (1980), 17(2), 75-8 CODEN: TSDTAZ; ISSN: 0040-3490
- DT Journal
- LA English
- IT 16090-02-1

RL: USES (Uses)

(fluorescent brightener, laundering resistance of)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4ANSWER 572 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN 1980:497305 CAPLUS ΑN 93:97305 DN TI $\hbox{\tt Color-stable whitener pre} \textbf{p} \textbf{arations for washing compositions}$ Martini, Thomas; Hohlfeld, Guenter; Hitschfel, Gerhard; Friedrich, IN Herbert; Frischkorn, Hans Hoechst A.-G., Fed. Rep. Ger. PA Eur. Pat. Appl., 14 pp. SO CODEN: EPXXDW DT Patent LΑ German FAN.CNT 2 PATENT NO. KIND APPLICATION NO. DATE DATE -----19800319 EP 1979-102716 19790731 PΙ EP 8669 A1 R: BE, CH, DE, FR, GB, IT, NL DE 2834224 В1 19790613 DE 1978-2834224 19780804 DE 2834224 C2 19800221 PRAI DE 1978-2834224 19780804 Α 4193-55-9 16090-02-1 RL: USES (Uses) (color-stable washing compns. containing poly(vinyl alc.) and)

RN 4193-55-9 CAPLUS
CN Benzenesulfonic acid, 2,2°-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

— cн₂- он

16090-02-1 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX

●2 Na

ANSWER 573 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

AN 1980:448547 CAPLUS

DN 93:48547

Stable stilbene fluorescent brightener solutions ΤI

IN Fringeli, Werner

PA Ciba-Geigy A.-G., Switz.

Brit. UK Pat. Appl., 7 pp. SO

CODEN: BAXXDU

Patent DT

T.A English

EAN.	CNT 2 PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	GB 2026566	A	19800206	GB 1979-24393	19790712
	GB 2026566	В2	19830209		
	DE 2928052	A1	19800131	DE 1979-2928052	19790711
	DD 145291	С	19801203	DD 1979-214329	19790713
	JP 55016086	A2	19800204	JP 1979-89366	19790716
	JP 62023987	B4	19870526		
	FR 2431532	A 1	19800215	FR 1979-18400	19790716
	FR 2431532	B1	19820730		
	ES 482502	A1	19800901	ES 1979-482502	19790716
	US 4605511	Α	19860812	US 1982-397273	19820712
PRAI	CH 1978-7707	Α	19780717		
	US 1979-55418	A1	19790706	•	
	US 1981-251834	A1	19810408		
os	MARPAT 93:48547				
IT	3224-72-4 4193-55-9	13863-	-31-5		
	16000 00 1				

16090-02-1

RL: USES (Uses)

(fluorescent brighteners, stabilization of aqueous solns. of)

RN 3224-72-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3methoxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

PAGE 1-A

 \sim NH- (CH₂)₃-OMe

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

 $HO-CH_2-CH_2$ $HO-CH_2-CH_2$ HO-C

•2 Na

PAGE 1-B

-сн $_2$ -он

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

•2 Na

PAGE 1-B

- сн $_2-$ он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 574 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1980:220730 CAPLUS

DN 92:220730

Optical brighteners as thin-layer chromatographic detection reagents for glycoalkaloids and steroid alkaloids in Solanum species. II. Blankophor BA 267%, BBU neu and KU, and Tinopal CBS-X and 5 BMS-X

AU Jellema, R.; Elema, E. T.; Malingre, T. M.

CS Lab. Pharm. Galenic Pharm., Groningen, 9713, Neth.

SO Journal of Chromatography (1980), 189(3), 406-9 CODEN: JOCRAM; ISSN: 0021-9673

DT Journal

LA English

IT 4193-55-9

RL: ANST (Analytical study)

(optical brightener, as thin-layer chromatog. detection reagent, for Solanum alkaloids)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 575 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1980:199759 CAPLUS

DN 92:199759

TI Manufacture of β -crystals of bis(triazinylamino)stilbene derivatives

IN Hirata, Naonori; Yasui, Chikao

PA Sumitomo Chemical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PΙ	JP 54157578	A2	19791212	JP 1978-64627	19780529
PRAI	JP 1978-64627	Α	19780529		

IT 16090-02-1P

RL: PREP (Preparation)

(fluorescent brighteners, β-crystal, manufacture of)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-

(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

ANSWER 576 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

AN 1980:182570 CAPLUS

92:182570 DN

White crystalline product of a derivative of bis(triazinylamino)stilbene TI

Sevil, Maria Jose Rodrigues ΙN

PA Spain

Span., 10 pp. CODEN: SPXXAD SO

DT Patent

LΑ Spanish

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
ΡI	ES 468365	Al	19791001	ES 1978-468365	19780330	
PRAI	ES 1978-468365	A 1	19780330			

ΙT 13863-31-5P

RL: PREP (Preparation)

(manufacture of, in aqueous medium containing salt and wetting agent)

RN13863-31-5 CAPLUS

CNBenzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

- сн₂- он

L4ANSWER 577 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1980:182569 CAPLUS

92:182569 DN

Liquid sodium 4,4'-bis(6"-anilino-4"-hydroxyethyltaurinotriazinyl-2"-ΤI amino) stilbene-2, 2'-disulfonate

IN Pirkl, Jaromir

PA Czech.

Czech., 2 pp. CODEN: CZXXA9 SO

DTPatent

LA Czech LA

ran.	CNT I PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PRAI	CS 179165 CS 1975-4371 73348-26-2	В	19790615 19750620	cs 1975-4371	19750620
	RL: USES (Uses) (fluorescent	brightener	, manufactu	re of liquid-form)	

RN 73348-26-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)(2sulfoethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, tetrasodium salt (9CI) (CA INDEX NAME)

4 Na

PAGE 1-B

---- CH₂- SO₃H

— сн₂- он

L4 ANSWER 578 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1980:148928 CAPLUS

DN 92:148928

TI Aqueous dispersions of stilbene derivatives

IN Hayakawa, Ginshichiro; Samejima, Makoto

PA Shin Nisso Kako Co., Ltd., Japan

SO Jpn. Tokkyo Koho, 3 pp.

CODEN: JAXXAD

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	JP 54038130	В4	19791119	JP 1971-35489	19710526
PRAT	JP 1971-35489	Δ	19710526		

IT 32866-17-4

RL: USES (Uses)

(fluorescent brighteners, aqueous dispersions containing glycols or glycerol and, with a improved storability for powdered detergents)

RN 32866-17-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, diammonium salt (9CI) (CA INDEX NAME)

●2 NH3

L4 ANSWER 579 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1980:148351 CAPLUS

DN 92:148351

TI Fluorescent brightening from the non-aqueous solvent system

AU Ohbayashi, Ikuko; Ando, Yoko; Hayashi, Masako; Yabe, Akihiko

CS Ochanomizu Univ., Tokyo, Japan

SO Kaseigaku Zasshi (1979), 30(9), 786-93

CODEN: KGZAA7; ISSN: 0449-9069

DT Journal

LA Japanese

IT 17958-73-5

RL: USES (Uses)

(fluorescent brightener, adsorption of, by cellulose film, from water-perchloroethylene systems)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

NH-CH2-CH2-OH

L4 ANSWER 580 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1980:112135 CAPLUS

DN 92:112135

TI Synergistic effect of sodium phosphates contained in a brightening bath on the effectiveness of fluorescent brighteners

AU Higersberger, Ewa; Adamek, Andrzej

CS Inst. Przem. Org., Warsaw, Pol.

SO Przeglad Wlokienniczy (1979), 33(9), 512-14 CODEN: PRZWAZ; ISSN: 0033-2410

DT Journal

LA Polish

IT 16090-02-1

RL: USES (Uses)

(fluorescent whitening of cellulosic fabrics with, synergistic effect of complexons and sodium phosphates in)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4ANSWER 581 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

ΑN 1980:43280 CAPLUS

DN 92:43280

ΤI Pulverizing 4,4'-bis(triazinyl) stilbene fluorescent whiteners in the β -crystalline form

Sewekow, Ulrich; Kransel, Paul; Moldenhauer, Wolfgang IN

Bayer A.-G., Fed. Rep. Ger. PA

Ger. Offen., 12 pp. SO

CODEN: GWXXBX

DTPatent

LΑ German

FAN CNT 1

ran.cni i						
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
ΡI	DE 2811717	A1	19790920	DE 1978-2811717	19780317	
	JP 54127924	A2	19791004	JP 1979-29470	19790315	
	BR 7901659	Α	19791016	BR 1979-1659	19790316	
PRAI	DE 1978-2811717	Α	19780317			
ΙT	16090-02-1					

RL: USES (Uses)

 $(\beta$ -form, milling of, for use in detergent compns.)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

- L4ANSWER 582 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1979:594568 CAPLUS
- DN 91:194568
- ΤI Concentrated dye and fluorescent whitener solutions
- IN Koll, Jochen; Moells, Hans Heinz; Hoernle, Reinhold; Nonn, Konrad
- PΑ Bayer A.-G., Fed. Rep. Ger.
- SO Ger. Offen., 19 pp.

CODEN: GWXXBX

DT Patent LA German FAN.CNT 1

1744.	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2805891	A1	19790816	DE 1978-2805891	19780213
	DE 2805891 DE 2805891	C2 C3	19861204 19881222		
	GB 2015018 GB 2015018	A B2	19790905 19820630	GB 1979-4453	19790208
	JP 54117535 BR 7900849	A2	19790912 19790904	JP 1979-13453 BR 1979-849	19790209 19790212
	CH 637682	A A	19830815	СН 1979-1358	19790212
	FR 2416926 FR 2416926	A1 B1	19790907 19860404	FR 1979-3604	19790213
PRAI	DE 1978-2805891	Α	19780213		

IT 71782-50-8 71794-47-3

RL: USES (Uses)

(concentrated, stable aqueous salt-free solns. of)

RN 71782-50-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, compd. with α,α',α'' -(nitrilotri-2,1-ethanediyl)tris[ω -hydroxypoly(oxy-1,2-ethanediyl)] (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 36936-60-4

CMF (C2 H4 O)n (C2 H4 O)n (C2 H4 O)n C6 H15 N O3

CCI PMS

PAGE 1-B

$$CH_2$$
 OH CH_2 CH_2 OH OH

CM 2

CRN 24231-46-7

CMF C40 H40 N12 O8 S2

RN 71794-47-3 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, compd. with 2,2',2''-nitrilotris[ethanol] (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 24231-46-7

CMF C40 H40 N12 O8 S2

CM 2

CRN 102-71-6 CMF C6 H15 N O3

- L4 ANSWER 583 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1979:577007 CAPLUS
- DN 91:177007
- TI Material balance of fluorescent brightening agents in built detergent. V. Triazinylstilbenes and bisstilbene in model built detergents
- AU Ueno, Yuko; Hayashi, Masako; Yabe, Akihiko
- CS Ochanomizu Univ., Tokyo, Japan
- SO Kaseigaku Zasshi (1979), 30(5), 463-8 CODEN: KGZAA7; ISSN: 0449-9069
- DT Journal
- LA Japanese
- IT 17958-73-5

RL: USES (Uses)

(fluorescent brighteners, takeup of, by cotton fabric)

- RN 17958-73-5 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

 \sim NH- CH $_2-$ CH $_2-$ OH

L4ANSWER 584 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN AN 1979:566084 CAPLUS DN 91:166084 ΤI Heating effect minimization in dye lasers Matheson, Kenneth Lee; Thorne, James M. ΑU Chem. Dep., Brigham Young Univ., Provo, UT, 84602, USA CS Applied Physics Letters (1979), 35(4), 314-17 SO CODEN: APPLAB; ISSN: 0003-6951 Journal DTLA English ΙT 13863-31-5 16090-02-1 RL: PRP (Properties) (fluorescence wavelength shifter) RN13863-31-5 CAPLUS Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-CN hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-,

disodium salt (9CI) (CA INDEX NAME)

●2 Na

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— cн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

- L4 ANSWER 585 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1979:559170 CAPLUS
- DN 91:159170
- TI Fluorescent whitener composition
- IN Claussen, Uwe; Mueller, Friedhelm; Muszik, Janos
- PA Bayer A.-G., Fed. Rep. Ger.

Ger. Offen., 16 pp.

CODEN: GWXXBX

DT Patent

LΑ German ·

FAN. CNT 2

ran.	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 2806195	A1	19790823	DE 1978-2806195	19780214
	EP 3568	A 1	19790822	EP 1979-100300	19790202
	EP 3568	B1	19820602		
	R: BE, CH, DE,	FR, GB	, IT, NL, SE		
	FI 7900457	Α	19790815	FI 1979-457	19790212
	BR 7900871	Α	19790904	BR 1979-871	19790213
	JP 54117383	A2	19790912	JP 1979-14436	19790213 ·
	ES 477658	A1	19800101	ES 1979-477658	19790213
PRAI	DE 1978-2806194		19780214		
	DE 1978-2806195		19780214		
IT	21162-88-9				
	RL: USES (Uses)				
	(fluorescent bri	ghtener	, stable sol	ns. of)	
RN	21162-88-9 CAPLUS				

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-CN 1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

ANSWER 586 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

ΑN 1979:559169 CAPLUS

DN 91:159169

ΤI Fluorescent whitener composition

Claussen, Uwe; Mueller, Friedhelm; Muszik, Janos IN

PA Bayer A.-G., Fed. Rep. Ger.

Ger. Offen., 15 pp. SO

CODEN: GWXXBX

DT Patent

LА German

	FAN.CNT 2						
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
ΡI	DE 2806194	A1	19790823	DE 1978-2806194	19780214		
	EP 3568	A1	19790822	EP 1979-100300	19790202		
	EP 3568	B1	19820602				
	R: BE, CH, DE,	FR, GB	, IT, NL, SE				
	FI 7900457	Α	19790815	FI 1979-457	19790212		
	BR 7900871	Α	19790904	BR 1979-871	19790213		
	JP 54117383	A2	19790912	JP 1979-14436	19790213		
	ES 477658	A1	19800101	ES 1979-477658	19790213		
PRAI	DE 1978-2806194		19780214				
	DE 1978-2806195		19780214				
ΙT	20579-01-5 21162-88	-9 3190	0-04-6				
	35632-99-6						
	· ·						

RL: USES (Uses)

(fluorescent brighteners, solns. of, with improved whitening properties on paper)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 21162-88-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 587 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1979:476033 CAPLUS

DN 91:76033

TI Color-stable preparations of washing composition whiteners

IN Martini, Thomas; Hohlfeld, Guenter; Hitschfel, Gerhard; Friedrich,
Herbert; Frischkorn, Hans

PA Hoechst A.-G., Fed. Rep. Ger.

SO Ger., 5 pp. CODEN: GWXXAW

DT Patent LA German

FAN.CNT 2

	2,, 01, 1				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 2834224	В1	19790613	DE 1978-2834224	19780804
	DE 2834224	C2	19800221		
	EP 8669	A1	19800319	EP 1979-102716	19790731
	R: BE, CH, DE,	FR, GB	, IT, NL		
	JP 55025478	A2	19800223	JP 1979-97427	19790801
PF	AI DE 1978-2834224	Α	19780804		

IT 4193-55-9 16090-02-1

RL: USES (Uses)

(fluorescent brighteners, containing poly(vinyl alc.), for color stability in detergents)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

— cн₂- он

RN16090-02-1 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) NAME)

2 Na

L4ANSWER 588 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1979:475943 CAPLUS

DN 91:75943

TI Fluorescent whitening of paper

IN Fearnley, Charles; Davenport, Leonard Thomas; Mitcham, George Edward; Kay, Brunhilde

PA Ciba-Geigy A.-G., Switz.

S. African, 28 pp. SO

CODEN: SFXXAB

DTPatent

LΑ English

באו כאות 1

PAN.	CNT I				•
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	ZA 7704664	Α	19790328	ZA 1977-4664	19770802
PRAI	ZA 1977-4664	Α	19770802		
IT	4193-55-9				
	RL: USES (Uses)				
	1 - 1 - 2 + 2 +		\		

(whitening agents, for paper)

RN 4193-55-9 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 589 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1979:459204 CAPLUS

DN 91:59204

TI Material balance of fluorescent brightening agents built in detergents. IV. Triazinyl stilbene series in model built detergent

AU Ueno, Yuko; Hayashi, Masako; Yabe, Akihiko

CS Ochanomizu Univ., Tokyo, Japan

SO Kaseigaku Zasshi (1978), 29(7), 436-40 CODEN: KGZAA7; ISSN: 0449-9069

DT Journal

LA Japanese

IT 17958-73-5 24019-80-5

RL: USES (Uses)

(fluorescent brighteners, on cotton fabrics, detergent effect on)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

NH-CH2-CH2-OH

RN 24019-80-5 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl) bis [5-[[4-[(2-ethenediyl)]]]CN methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

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L4ANSWER 590 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

1979:458707 CAPLUS AN

91:58707 DN

Bis(triazinylamino)stilbenedisulfonic acid derivatives ΤI

Mengler, Helmut; Schinzel, Erich; Roesch, Guenter IN

PA

Hoechst A.-G., Fed. Rep. Ger. Patentschrift (Switz.), 12 pp. Division of Swiss 603,878. SO CODEN: SWXXAS

DT Patent

LΑ German

FAN.CNT 3

	0.1.1				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CH 610312	Α	19790412	CH 1977-2490	19730921
	CH 7313558	A4	19770831	CH 1973-13558	19730921
	CH 603878	В	19780831		
	CH 603606	Α	19780831	CH 1977-13451	19730921
	NL 7412250	Α	19750325	NL 1974-12250	19740916
	US 3951965	Α	19760420	US 1974-506985	19740918
	DD 114842	С	19750820	DD 1974-181207	19740919

	IT 1022132	Α	19780320	IT 1974-27491	19740919	
	JP 50059420	A2	19750522	JP 1974-107863	19740920	
	BR 7407858	A0	19750729	BR 1974-7858	19740920	
	CA 1044233	A1	19781212	CA 1974-209718	19740920	
	FR 2244765	A1	19750418	FR 1974-31960	19740923	
	FR 2244765	B1	19781124			
	GB 1489595	Α	19771019	GB 1974-41388	19740923	
PRAI	CH 1973-13558	Α	19730921			
	CH 1977-2490	Α	19730921			
IT	56125-47-4P					
	RL: IMF (Industrial					
	(fluorescent brig	htener	, preparation	n and spectral properti	es of)	
RN	56125-47-4 CAPLUS					
CN	Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-					
	(formylamino)propyl]	amino]	-6-(phenylam	ino)-1,3,5-triazin-2-yl]amino]-,	
	disodium salt (9CI)	(CA I	NDEX NAME)			

●2 Na

PAGE 1-B

PAGE 1-B

RN 56125-10-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[2-(acetylamino)ethyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, compd. with 2,2',2''-nitrilotris[ethanol] (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 56125-09-8 CMF C40 H42 N14 O8 S2

PAGE 1-A

PAGE 1-B

CM 2

CRN 102-71-6 CMF C6 H15 N O3

RN 56125-11-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[2-(acetylamino)ethyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, compd. with N,N-diethylethanamine (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 56125-09-8

CMF C40 H42 N14 O8 S2

PAGE 1-A

PAGE 1-B

CM 2

CRN 121-44-8 CMF C6 H15 N

RN 56125-21-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(acetylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

 \sim NH- (CH₂)₃-NHAc

RN 56125-22-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(acetylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-(9CI) (CA INDEX NAME)

ACNH- (CH₂)₃-NH NH NH CH CH CH NH N N N NHPh

PAGE 1-B

 \sim NH- (CH₂)₃-NHAc

RN 56125-26-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(acetylamino)propyl]methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

RN 56125-29-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-[(1-oxooctadecyl)amino]propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

RN 56125-30-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(benzoylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

•2 Na

PAGE 1-B

RN 56125-31-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-[(ethoxycarbonyl)amino]propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

RN 56125-32-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(phenylamino)-6-[[3-[(phenylamino)carbonyl]amino]propyl]amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

RN 56125-33-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-[[4-methylphenyl)sulfonyl]amino]propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

$$-NH - NH - (CH2)3 - NH - S$$

$$NHPh$$

$$NHPh$$

RN 56125-34-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[methyl[3-[[(4-methylphenyl)sulfonyl]amino]propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

$$\begin{array}{c|c}
 & \text{Me} & \text{O} \\
 & \text{NHPh} & \text{N- (CH2)}_{3}-\text{NH-S} \\
 & \text{NHPh} & \text{O} \\
 & \text{Me} \\
 & \text{NHPh} & \text{O} \\
 & \text{O} & \text$$

RN 56125-35-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(acetylcyclohexylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

RN 56125-36-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(acetylphenylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-(9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

RN 56125-37-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(2,5-dioxo-1-pyrrolidinyl)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

RN 56125-38-3 CAPLUS

CN Butanoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-(phenylamino)-1,3,5-triazine-4,2-diyl]imino-3,1-propanediylimino]]bis[4-oxo-, tetrasodium salt (9CI) (CA INDEX NAME)

•4 Na

PAGE 1-B

RN 56125-40-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

RN 56125-42-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(2-oxo-1(2H)-pyridinyl)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

RN 56125-44-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[4-[(4-[(aminocarbonyl)amino]butyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$_{\text{H}_{2}\text{N}-\text{C}-\text{NH}-\text{(CH}_{2})_{4}-\text{NH}}$$
 $_{\text{N}}$
 $_{\text$

●2 Na

PAGE 1-B

RN 56125-45-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[5-(acetylamino)pentyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

 \sim NH- (CH₂)₅-NHAc

RN 56125-46-3 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(phenylamino)-6-[[6-[(phenylsulfonyl)amino]hexyl]amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

RN 56190-28-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(acetylmethylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-(9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

RN 57038-69-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(acetylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, compd. with 2,2'-iminobis[ethanol] (1:2) (9CI) (CA INDEX NAME)

10/519,031

CM 1

CRN 56125-22-5

CMF C42 H46 N14 O8 S2

PAGE 1-A

PAGE 1-B

 \sim NH- (CH₂)₃-NHAc

CM 2

CRN 111-42-2 CMF C4 H11 N O2

 $\text{HO-CH}_2\text{--CH}_2\text{--NH-CH}_2\text{--CH}_2\text{--OH}$

RN 70862-32-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[acetyl[3-(acetylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-(9CI) (CA INDEX NAME)

PAGE 1-B

L4 ANSWER 591 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1979:458678 CAPLUS

DN 91:58678

TI The preparation of the pure cis-isomers of four fluorescent whitening agents of the sulfonated stilbene type

AU Weller, W. T.

CS Port Sunlight Lab., Unilever Res., Wirral/Merseyside, L62 4XN, UK

SO Journal of the Society of Dyers and Colourists (1979), 95(5), 187-90 CODEN: JSDCAA; ISSN: 0037-9859

DT Journal

LA English

IT 56776-29-5 56776-30-8
RL: PRP (Properties)
(photoisomerization and UV spectra of)

RN 56776-29-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1E)-1,2-ethenediylbis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Double bond geometry as shown.

●2 Na

RN 56776-30-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1E)-1,2-ethenediylbis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Double bond geometry as shown.

●2 Na

IT 60316-97-4P 70874-45-2P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (preparation and UV spectra of)

RN 60316-97-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

●2 Na

RN 70874-45-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

●2 Na

PAGE 1-B

__ OH

L4 ANSWER 592 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1979:422375 CAPLUS

DN 91:22375

TI Composition for fluorescent brightening of cellulose textile materials

IN Shakharova, A. N.; Nikitina, V. D.

PA All-Union Scientific-Research Institute of the Chemical Industry, USSR

SO U.S.S.R.

From: Otkrytiya, Izobret., Prom. Obraztsy, Tovarnye Znaki 1979, (13), 103. CODEN: URXXAF

DT Patent

LA Russian

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI SU 655754	T	19790405	SU 1977-2449677	19770208
PRAI SU 1977-2449677	Α	19770208		

IT 24231-46-7D, salts

RL: USES (Uses)

(fluorescent brightening compns. containing, for cellulosic textiles)

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 593 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1979:213181 CAPLUS

DN 90:213181

TI Method for spectrally sensitizing light-sensitive photographic components

PA Fuji Photo Film Co., Ltd., Japan

SO Brit., 26 pp. CODEN: BRXXAA

DT Patent LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	GB 1528150	 А	19781011	GB 1975-52862	19751224
	JP 51074624	A2	19760628	JP 1975-946	19741224
	JP 57022094	B4	19820511		
	US 4138266	Α	19790206	US 1977-765314	19770203
	US 4199360	Α	19800422	บร 1978-926769	19780721
PRAI	JP 1975-946	Α	19741224		
	JP 1974-946	\mathbf{A}^{-1}	19741224		
	DE 1975-2557916	Α	19751222	·	
	GB 1975-52862	Α	19751224		
	US 1975-644004	. A2	19751224		
	US 1977-765314	A1	19770203		
TT	21162-88-9				

IT 21162-88-9

RL: USES (Uses)

(solubilizer, in photog. sensitization by methine dye)

RN 21162-88-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

- L4 ANSWER 594 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1979:146618 CAPLUS
- DN 90:146618
- TI Effects of the fluorescent dyes FBA-260 and FBA-85 on rat fetuses
- AU Moriyama, Yuko; Ohnishi, Yasuhiko; Hiraoka, Yoshitada
- CS Nara Med. Sch., Nara, Japan
- SO Sanfujinka no Shinpo (1978), 30(5), 419-21 CODEN: SASHA5; ISSN: 0370-8446
- DT Journal
- LA Japanese

IT 16090-02-1 17958-73-5

RL: ADV (Adverse effect, including toxicity); BIOL (Biological study) (toxicity of, to embryos, after maternal administration)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

NH-CH2-CH2-OH

L4 ANSWER 595 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1979:99567 CAPLUS

DN 90:99567

TI Rhizosphere microorganisms and roots stained with europium chelate and fluorescent brightener

AU Johnen, B. G.

CS Plant Prot. Div., Imperial Chem. Ind. Ltd., Bracknell/Berkshire, UK

SO Soil Biology & Biochemistry (1978), 10(6), 495-502

CODEN: SBIOAH; ISSN: 0038-0717

DT Journal

LA English

IT 4193-55-9

RL: ANST (Analytical study)

(staining by, of roots, microorganism staining in relation to)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2-N$
 $N-CH_2-CH_2-N$
 $N-CH_2-CH_2-$

●2 Na

PAGE 1-B

— cн₂- он

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L4 ANSWER 596 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
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AN 1979:73287 CAPLUS

DN 90:73287

TI Solid dye or fluorescent whitener adduct

IN Agarwal, Suresh C.; Somlo, Tibor

PA Ciba-Geigy A.-G., Switz.

SO Patentschrift (Switz.), 7 pp.

CODEN: SWXXAS

DT Patent

LA German

FAN.CNT 2

	. 01.1 2				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	СН 606359	Α	19781031	CH 1974-9195	19740704
	DE 2529567	A1	19760122	DE 1975-2529567	19750702
	FR 2277129	A1	19760130	FR 1975-20772	19750702
	DD 119603	С	19760505	DD 1975-187047	19750702
	BE 830954	A1	19760105	BE 1975-157937	19750703
	ES 439108	A1	19770301	ES 1975-439108	19750703
	GB 1516201	Α	19780628	GB 1975-28098	19750703
	SU 668617	D	19790615	SU 1975-2150558	19750703
	JP 51030824	A2	19760316	JP 1975-82005	19750704
	BR 7504219	Α	19760706	BR 1975-5400	19750704

PRAI CH 1974-9195

19740704

58764-42-4P

RL: IMF (Industrial manufacture); PREP (Preparation) (preparation of, dustfree and water-soluble)

Α

RN 58764-42-4 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt, compd. with 1-methyl-2-pyrrolidinone (1:1) (9CI) (CA INDEX NAME)

CM 1

16090-02-1 CRN

CMF C40 H40 N12 O8 S2 . 2 Na

●2 Na

CM 2

CRN 872-50-4 C5 H9 N O CMF

L4ANSWER 597 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

1979:34550 CAPLUS AN

DN 90:34550

ΤI Forensic significance of fluorescent brighteners: their qualitative TLC characterization in small quantities of fiber and detergents

AU Lloyd, J. B. F.

Forensic Sci. Lab., Home Off., Birmingham, UK CS

SO Journal of the Forensic Science Society (1977), 17(2-3), 145-52 CODEN: FSSJAS; ISSN: 0015-7368

DTJournal

LΑ English

IT 13863-31-5 16090-02-1

> RL: ANT (Analyte); ANST (Analytical study) (thin-layer chromatog. of)

13863-31-5 CAPLUS

RN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-CN hydroxyethyl) methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PhNH NH NH HO3S NH NHPh HO-
$$CH_2-CH_2-N$$
 NH NHPh Me

●2 Na

PAGE 1-B

— cн₂- он

16090-02-1 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

- CAPLUS COPYRIGHT 2006 ACS on STN ANSWER 598 OF 904 L4
- AN 1979:7572 CAPLUS
- 90:7572 DN
- Photochemical decomposition of optically whitening substances in solutions Kolyadenko, S. S.; Makashev, Yu. A.; Studzinskii, O. P.; Rybalko, V. V. ΤI
- ΑU
- Leningr. Inst. Sov. Torg., Leningrad, USSR CS

SO Izvestiya Vysshikh Uchebnykh Zavedenii, Khimiya i Khimicheskaya Tekhnologiya (1978), 21(7), 1043-7 CODEN: IVUKAR; ISSN: 0579-2991

DT Journal

LA Russian

IT 20579-01-5

RL: PRP (Properties)

(photodecompn. kinetics of)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 599 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1979:2600 CAPLUS

DN 90:2600

TI A critical evaluation of the specificity of aniline blue induced fluorescence

AU Smith, M. M.; McCully, M. E.

CS Dep. Biol., Carleton Univ., Ottawa, ON, Can.

SO Protoplasma (1978), 95(3), 229-54 CODEN: PROTA5; ISSN: 0033-183X

DT Journal

LA English

IT 4404-43-7

RL: ANST (Analytical study)

(fluorescent staining by aniline blue and, of plant cell walls)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

— cн₂— он

ANSWER 600 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1978:581498 CAPLUS AN

89:181498 DN

ΤI Whitening of polyamide fiber

Yanagisawa, Takao IN

PΑ Showa Chemical Industries, Ltd., Japan

SO Jpn. Tokkyo Koho, 4 pp.

CODEN: JAXXAD

DT Patent

Japanese LА

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
		-			
ΡI	JP 53022193	B4	19780707	JP 1970-117488	19701225
PRAI	JP 1970-117488	Α	19701225		

67918-33-6 IT

RL: USES (Uses)

(fluorescent brighteners, for polyamide fibers)

RN 67918-33-6 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(diethylamino)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

🕨 2 Na

ANSWER 601 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1978:531224 CAPLUS AN

DN 89:131224

Antiskid coating compositions TI

Miller, Richard C.; Payne, Charles C. Nalco Chemical Co., USA IN

PA

Can., 7 pp. SO

CODEN: CAXXA4

DΤ Patent

LΑ English

FAN.CNT 1

KIND DATE DATE PATENT NO. APPLICATION NO.

CA 1975-218046 19750116 19780704 PΙ CA 1033909 Α1 19750116 Α PRAI CA 1975-218046 4404-43-7 RL: USES (Uses) (silica antiskid coatings containing, for imperfection detection) RN 4404-43-7 CAPLUS Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN (CA hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) INDEX NAME)

PAGE 1-B

— cн₂- он

ANSWER 602 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4AN 1978:512180 CAPLUS 89:112180 DN Highly concentrated solutions of fluorescent brighteners ΤI Okura, Junpei; Yoshida, Junji IN Sumitomo Chemical Co., Ltd., Japan PA Jpn. Tokkyo Koho, 5 pp. SO CODEN: JAXXAD DTPatent LΑ Japanese FAN.CNT 1 DATE APPLICATION NO. PATENT NO. KIND 19690407 19780501 JP 1969-27051 В4 JP 53012529 PΙ 19690407 PRAI JP 1969-27051 17958-73-5 ΙT RL: USES (Uses) (fluorescent brighteners, concentrated solns. of) RN17958-73-5 CAPLUS Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Na

PAGE 1-B

NH-CH2-CH2-OH

ANSWER 603 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

1978:512020 CAPLUS AN

89:112020 DN

Color characteristics of textile materials treated with optical whiteners ΤI

Raskina, I. Kh.; Belen'kii, L. I. AU

Vses. Zaochn. Inst. Tekst. Legk. Prom., Moscow, USSR CS

Tekstil'naya Promyshlennost (Moscow, Russian Federation) (1978), (3), SO 57-61

CODEN: TTLPA2; ISSN: 0040-2397

Journal DT

Russian LΑ

IT 20579-01-5

RL: USES (Uses)

(fluorescent brighteners, optimum whiteness of textiles in relation to)

20579-01-5 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-CN 1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

ANSWER 604 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

AN 1978:426013 CAPLUS

10/519,031

89:26013 DN

Photofading of stilbene fluorescent whitening agents on cellophane film ΤI

Yamashita, Yoshio; Yoshida, Katsuhira ΑU

CS

Fac. Sci., Kochi Univ., Kochi, Japan Yuki Gosei Kagaku Kyokaishi (1978), 36(4), 322-7

CODEN: YGKKAE; ISSN: 0372-770X

DΤ Journal

LΑ Japanese

ΙT 4193-55-9 17958-73-5

RL: RCT (Reactant); RACT (Reactant or reagent)

(photofading of, on cellophane film and in water)

4193-55-9 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium

salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2-N$
 $N-CH_2-CH_2-N$
 $N-CH_2-CH_2-$

●2 Na

PAGE 1-B

— cн₂-- он

17958-73-5 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A NHPh NHPh SO3H SO3H CH=CH но-сн2-сн2-ин

NH-CH2-CH2-OH

L4 ANSWER 605 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1978:407602 CAPLUS

DN 89:7602

TI Bis(triazinylamino)stilbene brightener in β -crystalline form

IN Neumann, Konrad; Schenkenberger, Ernst

PA Ciba-Geigy A.-G., Switz.

SO Ger. Offen., 12 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

T. LTA	· CNI I				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 2646273	A1	19780420	DE 1976-2646273	19761014
	СН 630947	A	19820715	CH 1977-12391	19771011
	FR 2367803	A1	19780512	FR 1977-30771	19771012
	FR 2367803	B1	19800808		
	GB 1551633	Α	19790830	GB 1977-42731	19771013
	US 4326982	A	19820427	US 1979-57543	19790713
PRA	I DE 1976-2646273	Α	19761014		
	US 1977-839693	A1	19771005		
os	MARPAT 89:7602				•

IT 16090-02-1

RL: USES (Uses)

(fluorescent brighteners, comminution and crystallization of, as

β-crystalline

form)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 606 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1978:179886 CAPLUS

DN 88:179886

Stimulated emission of alcoholic dye solutions in the blue and violet spectral range

Majewski, W.; Krasinski, J. ΑU

Inst. Exp. Phys., Univ. Warsaw, Warsaw, Pol. CS

Acta Physica et Chemica (1977), 23(1), 179-82 CODEN: AUSHAF; ISSN: 0001-6721

DTJournal

LΑ Russian

ΙT 16090-02-1

RL: PRP (Properties)

(laser emission from alc. solution of)

16090-02-1 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

ANSWER 607 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

AN 1978:174955 CAPLUS

88:174955 DN

Stainless steel cleaner ΤI

Berliner, Julius F. T. IN

PΑ Burnishine Products, Inc., USA

U.S., 5 pp. SO CODEN: USXXAM

INDEX NAME)

Patent DT

LΑ	English						
FAN.	FAN.CNT 1						
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
ΡI	US 4060496	Α	19771129	US 1976-681716	19760429		
PRAI	US 1976-681716	Α	19760429 •				
IT	4404-43-7						
	RL: USES (Uses)						
	(surface cleanin	g solut	ion containi	ng, for austenitic sta	ainless steel)		
RN	4404-43-7 CAPLUS						
CN	Benzenesulfonic aci	d, 2,2'	-(1,2-ethene	diyl)bis[5-[[4-[bis(2-	-		

hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI)

PAGE 1-B

— cн₂- он

ANSWER 608 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

1978:172304 CAPLUS AN

88:172304 DN

Granular washing composition ΤI

IN Barrat, Christian Roland

PA Procter and Gamble European Technical Center, Belg.

so Ger. Offen., 31 pp.

CODEN: GWXXBX

Patent DT

German LΑ

FAN.CNT 1				·
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 2741671	A1	19780323	DE 1977-2741671	19770916
DE 2741671	C2	19821202		
GB 1542907	Α	19790328	GB 1976-38822	19760920
FR 2364966	A1	19780414	FR 1977-28222	19770919
FR 2364966	B1	19820305		
PRAI GB 1976-3882	2 A	19760920		
IT 16090-02-1				

RL: USES (Uses)

(fluorescent brighteners, detergents containing bleaching agents and, with improved stability)

16090-02-1 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 609 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1978:172284 CAPLUS

DN 88:172284

TI Balance of fluorescent brighteners in commercial detergents for home use

AU Komaki, Motoko; Hayashi, Masako; Yabe, Akihiko

CS Ochanomizu Univ., Tokyo, Japan

SO Sen'i Seihin Shohi Kagaku (1975), 16(3), 86-9 CODEN: SESKB9; ISSN: 0037-2072

DT Journal

LA Japanese

IT 24019-80-5

RL: USES (Uses)

(fluorescent brighteners, adsorption of, on fibers, during laundering)

RN 24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

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PAGE 1-A



L4 ANSWER 610 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1978:172280 CAPLUS

DN 88:172280

TI Effect of nonionic surfactants on the absorption behavior of detergent white toners

AU Schuessler, U.; Sewekow, U.

CS Bayer A.-G., Leverkusen, Fed. Rep. Ger.

SO Seifen, Oele, Fette, Wachse (1978), 104(3), 59-63 CODEN: SOFWAF; ISSN: 0037-0983

DT Journal

LA German

IT 4404-43-7D, salt 24231-46-7D, salt 35632-99-6D, salt 52435-15-1D, salt

RL: USES (Uses)

(fluorescent brighteners, whiteness of cotton textiles washed in presence of, nonionic surfactant effect on)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

— сн₂— он

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 52435-15-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

ANSWER 611 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

PAGE 1-B

— cн₂- он

L4

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AN
     1978:161186 CAPLUS
     88:161186
DN
     Laser properties of triazinylstilbene compounds
ΤI
     Telle, H.; Brinkmann, U.; Raue, R.
I. Phys. Inst., Univ. Koeln, Cologne, Fed. Rep. Ger.
AU
CS
     Optics Communications (1978), 24(1), 33-7
SO
     CODEN: OPCOB8; ISSN: 0030-4018
DT
     Journal
LА
     English
IT
     4404-43-7
     RL: PRP (Properties)
         (laser emission properties of)
RN
     4404-43-7 CAPLUS
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-
CN
     hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI)
                                                                                   (CA
```

INDEX NAME)

PAGE 1-B

— cн₂- он

L4 ANSWER 612 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1978:91121 CAPLUS

DN 88:91121

TI Fluidizing agent for use in dispersing dyes and pigments

IN Davies, Peter Kingsley; Stansfield, James Frederick; Topham, Arthur

PA Imperial Chemical Industries Ltd., UK

SO Ger. Offen., 26 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

FAIN.	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 2725693	A1	19771215	DE 1977-2725693	19770607
	GB 1566803	Α	19800508	GB 1976-23431	19760607
	ES 459553	A1	19781201	ES 1977-459553	19770507
	US 4125413	Α	19781114	US 1977-795302	19770509
	ZA 7702928	Α	19790131	ZA 1977-2928	19770517
	AU 7725276	A1	19781123	AU 1977-25276	19770519
	BE 855243	A 1	19771130	BE 1977-178078	19770531
	SE 7706557	Α	19771208	SE 1977-6557	19770606
	NL 7706204	Α	19771209	NL 1977-6204	19770606
	FR 2354376	A1	19780106	FR 1977-17230	19770606
	FR 2354376	В1	19831209		
	DK 7702508	Α	19771208	DK 1977-2508	19770607
	JP 52150106	A2	19771213	JP 1977-67239	19770607
PRAI	GB 1976-23431	Α	19760607		
	GB 1976-39093	Α	19760921		

16090-02-1D, reaction products with cetyltrimethylammonium bromide 31900-04-6D, reaction products with cetyltrimethylammonium bromide 65641-04-5D, reaction products with cetyltrimethylammonium bromide RL: USES (Uses)

(as fluidizing agent for pigments)

RN 16090-02-1 CAPLUS

10/519,031

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 65641-04-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(diethylamino)-6-[(4-methylphenyl)amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

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IT 31449-69-1D, reaction products with cetyltrimethylammonium bromide
RL: USES (Uses)

(as fluidizing agents for pigments)

RN 31449-69-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

 \sim NH- CH $_2-$ CH $_2-$ OH

IT 65641-03-4P 65669-28-5P

RL: PREP (Preparation)

(preparation of, as fluidizing agent for pigments)

RN 65641-03-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, compd. with N,N-dimethyl-1-octadecanamine (9CI) (CA INDEX NAME)

CM 1

CRN 31449-69-1

CMF C36 H36 N12 O8 S2

PAGE 1-B

 \sim NH- CH $_2-$ CH $_2-$ OH

CM 2

CRN 124-28-7 CMF C20 H43 N

 $Me_2N-(CH_2)_{17}-Me$

65669-28-5 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-... CNhydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt, compd. with 2,2'-(octadecylimino)bis[ethanol] (9CI) (CA INDEX NAME)

1 CM

17958-73-5 CRN

C36 H36 N12 O8 S2 . 2 Na CMF

PAGE 1-A SO3H NHPh NHPh SO3H CH==CH

●2 Na

PAGE 1-B

~ NH- CH2- CH2- ОН

CM

CRN 10213-78-2

CMF C22 H47 N O2

$$_{\rm CH_2-CH_2-OH}$$
 | HO-CH₂-CH₂-N-(CH₂)₁₇-Me

L4 ANSWER 613 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1978:8809 CAPLUS

DN 88:8809

TI Fluorescent whitening of paper

IN Fearnley, Charles; Davenport, Leonard Thomas; Mitcham, George Edward; Kay, Brunhilde

PA Ciba-Geigy A.-G., Switz.

SO Ger. Offen., 27 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 2715864	A1	19771027	DE 1977-2715864	19770409
FR 2348317	A1	19771110	FR 1977-11136	19770413
PRAI GB 1976-15196	Α	19760414		

IT 4193-55-9

RL: USES (Uses)

(fluorescent brighteners, for paper)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

•2 Na

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L4 ANSWER 614 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1978:1114 CAPLUS

DN 88:1114

TI Percutaneous absorption and disposition of Tinopal EMS

AU Black, J. G.; Moule, R. C.; Philp, J.

CS Environ. Saf. Div., Unilever Res. Lab., Sharnbrook/Bedford, UK

Toxicology (1977), 8(1), 33-42 CODEN: TXCYAC; ISSN: 0300-483X

DT Journal

LA English

IT 16090-02-1

RL: BIOL (Biological study)

(toxicol. of)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 615 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1977:606335 CAPLUS

DN 87:206335

TI Cyanuric acid compound colorimetric indicator

IN Mancini, Thomas P.

PA Coastal Industries, Inc., USA

SO U.S., 5 pp. CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

ran.	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	US 4039284 US 1976-713991	A A	19770802 19760812	US 1976-713991	19760812

TT 17958-73-5

RL: OCCU (Occurrence)

(colorimetric indicator, containing sulfonphthalein derivative, for determination of

cyanuric acid or derivs. thereof in water)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

~ NH- CH₂- CH₂- OH

L4 ANSWER 616 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1977:497064 CAPLUS

DN 87:97064

TI Chromosome tests with 134 compounds on Chinese hamster cells in vitro - a screening for chemical carcinogens

AU Ishidate, Motoi, Jr.; Odashima, Shigeyoshi

CS Dep. Chem. Pathol., Natl. Inst. Hyg. Sci., Tokyo, Japan

SO Mutation Research (1977), 48(3-4), 337-53 CODEN: MUREAV; ISSN: 0027-5107

DT Journal

LA English

IT 16090-02-1 24019-80-5

RL: BIOL (Biological study)

(determination of carcinogeneticity of, chromosome aberration test for)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

RN 24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-

methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium
salt (9CI) (CA INDEX NAME)

●2 Na

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L4 ANSWER 617 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1977:490395 CAPLUS

DN 87:90395

TI Purification of industrial waste waters

IN Haase, Jaroslav; Liechti, Peter; Wegmueller, Hans; Wurster, Rudolf F.;
Bowes, Quentin

PA Ciba-Geigy A.-G., Switz.

SO Ger. Offen., 88 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN. CNT 4

ran.	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 2650988	A1	19770518	DE 1976-2650988	19761108
	CH 602501	А	19780731	CH 1975-14798	19751114
	FR 2357575	A1	19780203	FR 1976-33789	19761109
	FR 2357575	В1	19830204		
	DK 7605085	Α	19770515	DK 1976-5085	19761111
	FI 7603231	Α	19770515	FI 1976-3231	19761111
	NL 7612547	Α	19770517	NL 1976-12547	19761111
	BE 848255	A1	19770512	BE 1976-172281	19761112
	SE 7612651	Α	19770515	SE 1976-12651	19761112
	SE 425476	В	19821004		
	SE 425476	С	19830113		
	BR 7607606	Α	19770927	BR 1976-7606	19761112
	AT 348451	В	19790226	AT 1976-8451	19761112
	IL 50899	A1	19791031	IL 1976-50899	19761112
	GB 1570790	Α	19800709	GB 1976-47308	19761112
	CA 1085388	A1	19800909	CA 1976-265474	19761112
	SU 997604	A3	19830215	SU 1976-2420356	19761112
	JP 52061360	A2	19770520	JP 1976-135857	19761113

	ES 453296	A1	19771116	ES 1976-453296	19761113
	US 4178438	Α	19791211	US 1978-941823	19780911
	US 4306080	Α	19811215	US 1979-11579	19790209
	US 4395546	Α	19830726	US 1981-298214	19810831
PRAI	CH 1975-14798	Α	19751114	•	
	US 1976-740586	A1	19761110		
	US 1978-941823	A3	19780911		
	us 1979-11579	A3	19790209		
ΤT	13863-31-5				
	RL: REM (Removal o	r dispo	sal); PROC (Process)	
	(removal of, fr				
RN	13863-31-5 CAPLUS		_,	•	

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-CN hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

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2 Na

PAGE 1-B

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ANSWER 618 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1977:486287 CAPLUS AN

DN 87:86287

TI Fluorescent brightener pastes

Fujii, Fumio; Kurahara, Koji; Uchida, Tatsuji; Sakai, Katsuya IN

PA Mitsui Toatsu Chemicals, Inc., Japan

so Jpn. Tokkyo Koho, 4 pp. CODEN: JAXXAD

 \mathbf{DT} Patent LΑ Japanese FAN.CNT 1

DATE DATE APPLICATION NO. PATENT NO. KIND ____ 19770204 19700521 JP 52004575 В4 JP 1970-42838 PΙ 19700521 PRAI JP 1970-42838

16090-02-1 ΙT

RL: USES (Uses)

(β-type, pastes, storable)

RN16090-02-1 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino) -1, 3, 5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

ANSWER 619 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1977:469749 CAPLUS AN

DN 87:69749

Removal of triazine impurities from fluorescent whiteners ΤI

IN Eymond, Philip Richard Norman

Unilever N. V., Neth. PA

so Ger. Offen., 12 pp.

CODEN: GWXXBX

DTPatent

T.A German

FAN.	CNT 1		2200	NDDI TORMION NO	DAME
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 2647421	A1	19770428	DE 1976-2647421	19761020
	DE 2647421	C2	19840308		
	GB 1550196	Α	19790808	GB 1975-43849	19751024
	NL 7611642	Α	19770426	NL 1976-11642	19761021
	JP 52056592	A2	19770510	JP 1976-127117	19761022
	JP 59023349	B4	19840601	•	
	FR 2328755	A1	19770520	FR 1976-31978	19761022
	FR 2328755	B1	19801003		
	US 4112226	Α	19780905	US 1976-734686	19761022
	CA 1047036	A1	19790123	CA 1976-263973	19761022
	CH 621143	Α	19810115	CH 1976-13427	19761022
	BR 7607132	Α	19770913	BR 1976-7132	19761024
	AU 498785	B2	19790322	AU 1976-18977	19761025
	AU 7618977	A1	19780504		
PRAI	GB 1975-43849	Α	19751024		
IT	16090-02-1				

RL: USES (Uses)

(triazine impurity extraction from, by aqueous sodium hydroxide)

RN16090-02-1 CAPLUS Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

ANSWER 620 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1977:454904 CAPLUS AN

87:54904 DN

Bleaching and brightening detergent composition ΤI

Gray, Frederick William IN

Colgate-Palmolive Co., USA PΑ

U.S., 10 pp. CODEN: USXXAM SO

DTPatent

LΑ English

FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 4028263	 А	19770607	US 1973-391058	19730824
US 4123376	Α	19781031	us 1976-702395	19760706
US 4300897	Α	19811117	US 1978-955518	19781030
PRAI US 1973-391058	A2	19730824		
US 1976-702395	A3	19760706		
TT 13963_31_5 16090_0	2_1			

ΙT 13863-31-5 16090-02-1

RL: USES (Uses)

(fluorescent whiteners, compatible with bleaching detergents containing peroxymonosulfate and activator)

13863-31-5 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-CN hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

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●2 Na

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RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

- L4 ANSWER 621 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1977:180673 CAPLUS
- DN 86:180673
- TI Spectral sensitization of light-sensitive photographic emulsions
- IN Hinata, Masanao; Mihara, Yuji; Shishido, Tadao; Adachi, Keiichi
- PA Fuji Photo Film Co., Ltd., Japan

SO Ger. Offen., 69 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.	CNT Z				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2557916	A1	19760708	DE 1975-2557916	19751222
	JP 51074624	A2	19760628	JP 1975-946	19741224
	JP 57022094	В4	19820511		
	US 4138266	Α	19790206	us 1977-765314	19770203
	US 4199360	Α	19800422	US 1978-926769	19780721
PRAI	JP 1975-946	Α	19741224		
	JP 1974-946	Α	19741224		
	DE 1975-2557916	Α	19751222		
	GB 1975-52862	Δ	19751224		

19751224

19770203

IT 20579-01-5

RL: USES (Uses)

US 1975-644004

US 1977-765314

(photog. spectral sensitizer combination containing methine dye and red shift-producing)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

A2

A1 .

●2 Na

L4 ANSWER 622 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1977:157056 CAPLUS

DN 86:157056

Finely crystalline white sodium 4,4'-bis(4-anilino-6-morpholino-triazinyl-2-amino)stilbene)-2,2'-disulfonate

IN Ottova, Milada

PA Czech.

SO Czech., 2 pp.

CODEN: CZXXA9

DT Patent

LA Czech

FAN.CNT 1

PATENT NO. ,	KIND	DATE	APPLICATION NO.	DATE
PI CS 165151	В	19751128	CS 1973-4421	19730620
PRAI CS 1973-4421	Α	19730620		

IT 16090-02-1P

RL: PUR (Purification or recovery); PREP (Preparation)
 (purification of)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-

(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

ANSWER 623 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

ΑN 1977:142006 CAPLUS

86:142006 DN

Detergent compositions containing novel crystalline forms of fluorescent ΤI whiteners

Heath, James C.; Werner, Raymond E.; Delaney, John W.; Crounse, Nathan N. IN

PA Sterling Drug Inc., USA

U.S., 10 pp. Continuation-in-part of 3,951,960. SO CODEN: USXXAM

DT Patent

English LΑ

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PΙ	US 4005026	Α	19770125	US 1975-610629	19750905
	BE 680847	Α	19661114	BE 1966-680847	19660511
	US 3951960	Α	19760420	US 1969-834560	19690618
PRAI	US 1962-177743	A2	19620306		
	US 1963-283558	A2	19630527		
	US 1966-526351	A2	19660210		
	US 1969-834560	A2	19690618		
TT	16000-02-1				

16090-02-1 IT

RL: USES (Uses)

(fluorescent brightener, recrystn. of, for improved whiteness and light stability)

RN 16090-02-1 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

10/519,031

L4 ANSWER 624 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1977:141999 CAPLUS

DN 86:141999

TI Detergents having optically whitening properties

IN Kurahara, Koji; Kawakami, Michio; Sakai, Katsuya; Noguchi, Yoshio

PA Mitsui Toatsu Chemicals, Inc., Japan

SO Jpn. Tokkyo Koho, 3 pp.

CODEN: JAXXAD

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	JP 51006687	В4	19760301	JP 1970-79442	19700910
PRAI	JP 1970-79442	Α	19700910		•

IT 16090-02-1 24019-80-5

RL: USES (Uses)

(fluorescent brighteners, for detergents)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

RN 24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-B



L4 ANSWER 625 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1977:141635 CAPLUS

DN 86:141635

TI Bis(triazinylamino)stilbene derivative

IN Ishii, Kazuo; Inoue, Hideo; Hara, Minoru

PA Nippon Kayaku Co., Ltd., Japan

SO Jpn. Tokkyo Koho, 4 pp.

CODEN: JAXXAD

DT Patent

LA Japanese

FAN.CNT 1

27411	PATENT NO.	KIND	DATE ·	APPLICATION NO.	DATE
	JP 51044136 JP 1969-64190	В4	19761126 19690815	JP 1969-64190	19690815

IT 24019-80-5

RL: PROC (Process)

(crystal modification of)

RN 24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

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L4 ANSWER 626 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1977:123305 CAPLUS

DN 86:123305

Stable bis(triazinylamino)stilbene-containing fluorescent brightener dispersions

Thompson, John Dennis IN

Hickson and Welch Ltd., UK PA

Ger. Offen., 17 pp. SO CODEN: GWXXBX

DT Patent

LΑ German

EAM CMT 1

FAN.CNT I						
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
			10770217	DE 1076 2622261	19760723	
ΡI	DE 2633261	A1	19770217	DE 1976-2633261	19/00/23	
	DE 2633261	C2	19901025			
	GB 1565202	Α	19800416	GB 1975-31243	19750725	
	FR 2318870	A1	19770218	FR 1976-22532	19760723	
	FR 2318870	B1	19800509			
	JP 52024226	A2	19770223	JP 1976-87350	19760723	
	JP 61006864	B4	19860301			
	ES 450075	A1	19770716	ES 1976-450075	19760723	
	AU 509547	B2	19800515	AU 1976-16166	19760723	
	CA 1098259	A1	19810331	CA 1976-257693	19760723	
	CH 628677	Α	19820315	CH 1976-9486	19760723	
	US 4216111	Α	19800805	US 1978-964614	19781129	
PRAI	GB 1975-31243	Α	19750725			
	US 1976-706622	A1	19760719			
	US 1977-860904	Al	19771215			
IT	4404-43-7 24231-46-7	52435	-15-1			

54822-17-2

RL: USES (Uses)

(fluorescent whiteners, stable aqueous dispersions of)

RN 4404-43-7 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

— ch2- он

RN 24231-46-7 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN

(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 52435-15-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

PhNH NH NH HO3S NH NHPh HO3S NH N CH2
$$\sim$$
 CH CH CH \sim NHPh Me

PAGE 1-B

— cн₂- он

RN 54822-17-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(ethylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

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L4 ANSWER 627 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
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AN 1977:46981 CAPLUS

DN 86:46981

TI Photochemical and biological degradation of water-soluble FWAs

AU Guglielmetti, L.

CS Ciba-Geigy A.-G., Basel, Switz.

SO Environmental Quality and Safety, Supplement (1975), 4(Fluoresc. Whitening Agents), 180-90 CODEN: EQSSDX; ISSN: 0340-4714

DT Journal

LA English

IT 13863-31-5

RL: PRP (Properties)

(photochem. and biol. degradation of, in waste water)

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

PhNH NH NH CH CH
$$\sim$$
 NH NHPh \sim NHPh \sim NH NHPh \sim NHPh

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 628 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1977:31017 CAPLUS

DN 86:31017

10/519,031

TI Stabilized aqueous solutions of fluorescent whiteners

IN Bloching, Helmut

PA Henkel und Cie. G.m.b.H., Fed. Rep. Ger.

SO Ger. Offen., 12 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

1.1.7 0.1.1					
P.	ATENT NO.	KIND	DATE	APPLICATION NO.	DATE
_					
PI D	E 2519654	A1	19761111	DE 1975-2519654	19750502
PRAI D	E 1975-2519654	Α	19750502		

IT 16090-02-1

RL: USES (Uses)

(photoisomerization stabilization of, in aqueous solns., by poly(vinylpyrrolidone))

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

IT 31900-04-6

RL: USES (Uses)

(photoisomerization stabilization of, in aqueous solns., by
polyvinyl(pyrrolidone))

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 629 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1977:30990 CAPLUS

DN 86:30990

TI Some problems concerning brightening agents derived from

4,4'-diaminostilbene-2,2'-disulfonic acid

ΑU Calin, Carol; Saidac, Serban; Stoenescu, Caterina

CS Rom.

Revistade Chimie (Bucharest, Romania) (1976), 27(10), 836-41 SO CODEN: RCBUAU; ISSN: 0034-7752

DT Journal

Romanian LΑ

20579-01-5 ΙT

> RL: PRP (Properties) (properties of)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino 6-(phenylamino)-1,3,5-triazin-2-y1]amino]-, disodium salt (9CI) (CA INDEL NAME)

🕨2 Na

L4ANSWER 630 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

1977:18374 CAPLUS AN

DN 86:18374

White crystalline form of sodium 4,4'-bis(6''-morpholino-4''-ΤI anilinotriazinyl-2''-amino)stilbene-2,2'-disulfonate

Pirkl, Jaromir; Fisar, Ctibor IN

PA Czech.

Czech., 3 pp. CODEN: CZXXA9 SO

Patent DТ

Czech T.A

FAN.CNT 1						
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
						
PI CS 163550	В	19750915	CS 1974-2794	19740419		
PRAI CS 1974-2794	Α.	19740419				
IT 16090-02-1P						
RL: PREP (Preparati	RL: PREP (Preparation)					
(manufacture of	white o	crystalline)				
RN 16090-02-1 CAPLUS		-				
	1 0 0		1: 111: 55 554 44			

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-mo::pholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 631 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:594100 CAPLUS

DN 85:194100

TI White form of disodium 4,4'-bis(6''-morpholino-4''-anilinotriazinyl-2''-amino)stilbene-2,2'-disulfonate

IN Pirkl, Jaromir

PA Czech.

SO Czech., 3 pp. CODEN: CZXXA9

DT Patent

LA Czech

IT 16090-02-1P

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 632 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:587327 CAPLUS

DN 85:187327

TI Three-generation reproduction studies with FWAs

AU Keplinger, M. L.; Lyman, F. L.; Calandra, J. C.

CS Ind. Bio-Test Lab., Inc., Northbrook, IL, USA

SO Environmental Quality and Safety, Supplement (1975), 4(Fluoresc. Whitening Agents), 230-8

CODEN: EQSSDX; ISSN: 0340-4714

10/519,031

DT Journal

LA English

IT 13863-31-5 16090-02-1

RL: BIOL (Biological study) (reproduction in relation to)

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

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RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 633 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:579283 CAPLUS

DN 85:179283

TI Measurement of the brightness of papers containing optical brighteners

AU Neuvirt, Jiri

CS Vyvojovy Racion. Ustav, IRAPA, Prague, Czech.

SO Papir a Celuloza (1976), 31(6), 125-9 CODEN: PCELAU; ISSN: 0031-1421

DT Journal

LA Czech

IT 20579-01-5

RL: USES (Uses)

(reflectance of paper containing, determination of)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 634 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:538305 CAPLUS

DN 85:138305

TI Chronic toxicity and carcinogenicity studies with FWAs

AU Keplinger, M. L.; Lyman, F. L.; Calandra, J. C.

CS Ind. Bio-Test Lab., Inc., Northbrook, IL, USA

SO Environmental Quality and Safety, Supplement (1975), 4(Fluoresc. Whitening Agents), 205-12

CODEN: EQSSDX; ISSN: 0340-4714

DT Journal

LA English

IT 13863-31-5 16090-02-1

RL: ADV (Adverse effect, including toxicity); BIOL (Biological study) (carcinogenicity and toxicity of)

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-

hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

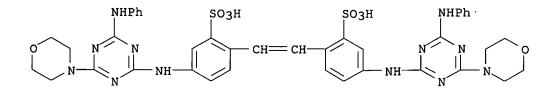
●2 Na

PAGE 1-B

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RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)



●2 Na

L4 ANSWER 635 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:538136 CAPLUS

DN 85:138136

10/519,031

TI Metabolic behavior of water-soluble fluorescent whitening agents in the rat and bean plant

AU Muecke, W.; Dupuis, G.; Esser, H. O.

CS Ciba-Geigy A.-G., Basel, Switz.

SO Environmental Quality and Safety, Supplement (1975), 4(Fluoresc. Whitening Agents), 174-9
CODEN: EQSSDX; ISSN: 0340-4714

DT Journal.

LA English

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

— сн₂— он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 636 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:533813 CAPLUS

DN 85:133813

TI Laser properties of fluorescent brightening agents

AU Majewski, W.; Krasinski, J.

CS Inst. Exp. Phys., Univ. Warsaw, Warsaw, Pol.

SO Optics Communications (1976), 18(3), 255-9 CODEN: OPCOB8; ISSN: 0030-4018

DT Journal

LA English

IT 16090-02-1

RL: PRP (Properties)

(electronic spectra and laser properties of)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

L4 ANSWER 637 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:526127 CAPLUS

DN 85:126127

TI Bleed fastness of fluorescent whitening agents in mass whitened paper

AU Anders, G.; Flubacher, M.

CS Ciba-Geigy A.-G., Basel, Switz.

SO Environmental Quality and Safety, Supplement (1975), 4(Fluoresc. Whitening Agents), 123-8

CODEN: EQSSDX; ISSN: 0340-4714

DT Journal

LA English

IT 31449-69-1

RL: USES (Uses)

(bleed degree of, in paper, spectrofluorimetric determination of)

RN 31449-69-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

 \sim NH-CH₂-CH₂-OH

L4 ANSWER 638 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:517533 CAPLUS

DN 85:117533

TI Mutagenicity assays on fluorescent whitening agents using microorganisms

AU Kilbey, B. J.; Zetterberg, L. G.

CS Dep. Gen., Univ. Edinburgh, Edinburgh, UK

SO Environmental Quality and Safety, Supplement (1975), 4 (Fluoresc. Whitening Agents), 264-77

CODEN: EQSSDX; ISSN: 0340-4714

DT Journal

LA English

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-B

— сн₂— он

RN 16090-02-1 CAPLUS

•2 Na

L4 ANSWER 639 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:517532 CAPLUS

DN 85:117532

TI Nucleus anomaly test and chromosomal analysis of bone marrow cells of the Chinese hamster and dominant lethal test in male mice after treatment with fluorescent whitening agents

AU Mueller, D.; Fritz, H.; Langauer, M.; Strasser, F. F.

CS Ciba-Geigy A.-G., Basel, Switz.

SO Environmental Quality and Safety, Supplement (1975), 4(Fluoresc. Whitening Agents), 247-63
CODEN: EQSSDX; ISSN: 0340-4714

DT Journal

LA English

IT 13863-31-5 16090-02-1

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study) (mutagenic activity of)

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

— cн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na ·

L4 ANSWER 640 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:517530 CAPLUS

DN 85:117530

TI Acute oral, dermal, and inhalation studies

AU Thomann, P.; Krueger, L.

CS Ciba-Geigy A.-G., Basel, Switz.

10/519,031

SO Environmental Quality and Safety, Supplement (1975), 4(Fluoresc. Whitening Agents), 193-8

CODEN: EQSSDX; ISSN: 0340-4714

DT Journal

LA English

IT 4193-55-9 13863-31-5 16090-02-1

24565-13-7 35632-99-6

RL: ADV (Adverse effect, including toxicity); BIOL (Biological study) (toxicity of)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂-- он

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

— cн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

RN 24565-13-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(ethylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

- L4 ANSWER 641 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1976:510079 CAPLUS
- DN 85:110079
- TI Direct determination of fluorescent whitening agents by absorption measurement in situ on thin layer chromatograms
- AU Theidel, H.
- CS Bayer A.-G., Leverkusen, Fed. Rep. Ger.
- SO Environmental Quality and Safety, Supplement (1975), 4(Fluoresc. Whitening Agents), 111-14
 CODEN: EQSSDX; ISSN: 0340-4714
- DT Journal
- LA English
- IT 4193-55-9 16090-02-1
 - RL: ANT (Analyte); ANST (Analytical study) (determination of, direct, thin-layer chromatograms)
- RN 4193-55-9 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

— cн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 642 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:510078 CAPLUS

DN 85:110078

TI Limits of accuracy obtainable in the direct determination by fluorimetry of fluorescent whitening agents on thin layer chromatograms

AU Anders, G.

CS Ciba-Geigy A.-G., Basel, Switz.

SO Environmental Quality and Safety, Supplement (1975), 4(Fluoresc. Whitening Agents), 104-10
CODEN: EQSSDX; ISSN: 0340-4714

DT Journal

LA English

IT 16090-02-1

RL: PROC (Process)

(limits of fluorimetric determination of)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-

(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 643 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:510077 CAPLUS

DN 85:110077

TI Qualitative thin layer chromatography of fluorescent whitening agents

AU Theidel, H.

CS Bayer A.-G., Leverkusen, Fed. Rep. Ger.

SO Environmental Quality and Safety, Supplement (1975), 4(Fluoresc. Whitening Agents), 94-103

CODEN: EQSSDX; ISSN: 0340-4714

DT Journal

LA English

IT 56776-30-8 60316-97-4

RL: PROC (Process)

(thin-layer chromatography of)

RN 56776-30-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1E)-1,2-ethenediylbis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Double bond geometry as shown.

●2 Na

RN 60316-97-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt, (Z)- (9CI) (CA

INDEX NAME)

Double bond geometry as shown.

●2 Na

L4 ANSWER 644 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:505063 CAPLUS

DN 85:105063

TI Photocarcinogenesis: lack of enhancement by fluorescent whitening agents

AU Forbes, P. D.; Urbach, F.

CS Skin Cancer Hosp., Temple Univ., Philadelphia, PA, USA

SO Environmental Quality and Safety, Supplement (1975), 4(Fluoresc. Whitening Agents), 212-22
CODEN: EQSSDX; ISSN: 0340-4714

DT Journal

LA English

IT 13863-31-5 16090-02-1

RL: ADV (Adverse effect, including toxicity); BIOL (Biological study) (photocarcinogenicity and phototoxicity of)

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

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RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 645 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:504847 CAPLUS

DN 85:104847

TI Testing mutagenic properties with the dominant lethal test on the male mouse

AU Lorke, D.; Machemer, L.

10/519,031

CS Inst. Toxicol., Bayer A.-G., Wuppertal, Fed. Rep. Ger.

SO Environmental Quality and Safety, Supplement (1975), 4(Fluoresc. Whitening Agents), 239-46

CODEN: EQSSDX; ISSN: 0340-4714

DT Journal

LA English

IT 4193-55-9 16090-02-1 35632-99-6 RL: BIOL (Biological study)

(mutation in relation to)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

•2 Na

PAGE 1-B

— cн₂— он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 646 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:504846 CAPLUS

DN 85:104846

TI Studies of embryo toxicity in rats and rabbits

AU Lorke, D.; Machemer, L.

CS Inst. Toxikol., Bayer A.-G., Wuppertal, Fed. Rep. Ger.

SO Environmental Quality and Safety, Supplement (1975), 4(Fluoresc. Whitening Agents), 223-9
CODEN: EOSSDX; ISSN: 0340-4714

DT Journal

LA English

IT 35632-99-6

RL: BIOL (Biological study)

(teratogenesis in relation to)

RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 647 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:473211 CAPLUS

DN 85:73211

TI No influence of the white tinter Blankophor MBBH on mammary carcinoma induction in the rat

AU Steinhoff, D.

CS Inst. Toxikol., Bayer A.-G., Wuppertal-Elberfeld, Fed. Rep. Ger.

SO Naturwissenschaften (1976), 63(6), 300-1 CODEN: NATWAY; ISSN: 0028-1042

DT Journal

LA German

IT 16090-02-1

RL: BIOL (Biological study)

(mammary carcinoma induction by benzidine response to)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 648 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN 1976:464892 CAPLUS AN 85:64892 DN ΤI Fluorescent inks for jet printing IN Zabiak, Daniel M.; Hwang, Ki Sup Dick, A. B., Co., USA PA so Ger. Offen., 12 pp. CODEN: GWXXBX DTPatent LΑ German FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO. DATE ΡI DE 2551242 Α1 19760520 DE 1975-2551242 19751114 DE 2551242 C2 19880526 DE 2551242 C3 19920514 CA 1061535 **A**1 19790904 CA 1975-238975 19751104 GB 1494768 Α 19771214 GB 1975-46424 19751110 AU 7586549 **A**1 19770602 AU 1975-86549 19751112 JP 51072509 **A2** 19760623 JP 1975-137357 19751117 US 4153593 Α 19790508 US 1976-724385 19760917 PRAI US 1974-524778 Α 19741118 4404-43-7 IT

RL: USES (Uses)
(fluorescent inks containing, for jet printing)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

— cн₂- он

L4 ANSWER 649 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:464802 CAPLUS

DN 85:64802

TI Bis(triazinylamino)stilbene derivatives

IN Fleck, Fritz

PA Sandoz-Wander, Inc., Switz.

SO U.S., 7 pp. CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	V.1.1 1				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3956283	Α	19760511	US 1974-470523	19740516
PRAI	US 1974-470523	Α	19740516		
ΙT	54914-82-8				
	RL: USES (Uses)				
	/fluoroggont	h wi whtonow	far data	aranta and manar mrana	+i+\

(fluorescent brightener, for detergents and paper, preparation of)

RN 54914-82-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-amino-3-oxopropyl)[2-(2-hydroxyethoxy)ethyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

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____NHPh

L4 ANSWER 650 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:448247 CAPLUS

DN 85:48247

TI The separation of optical brighteners by liquid-solid chromatography

AU Kirkpatrick, Diana

CS Bur. Biomed. Sci., Consum. Prod. Saf. Comm., Washington, DC, USA

SO Journal of Chromatography (1976), 121(1), 153-5 CODEN: JOCRAM; ISSN: 0021-9673

DT Journal

LA English

IT 4404-43-7 24231-46-7 35632-99-6

52435-15-1

RL: PROC (Process)

(liquid-solid chromatographic separation of)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CAINDEX NAME)

PhNH NHPh NHPh NHPh
$$N = CH = CH = CH = CH = CH_2 = CH_2$$

PAGE 1-B

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RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 52435-15-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

— сн₂— он

L4 ANSWER 651 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:425026 CAPLUS

DN 85:25026

10/519,031

TI Removal of detergent fluorescent whitening agents from wastewater

AU Ganz, Charles R.; Liebert, Charles; Schulze, Janos; Stensby, Per S.

CS Dyest. Chem. Div., Ciba-Geigy Corp., Greensboro, NC, USA

SO Journal - Water Pollution Control Federation (1975), 47(12), 2834-49 CODEN: JWPFA5; ISSN: 0043-1303

DT Journal

LA English

IT 56776-29-5 56776-30-8 59453-69-9

RL: REM (Removal or disposal); PROC (Process)

(fluorescent brighteners, removal of, from waste waters)

RN 56776-29-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1E)-1,2-ethenediylbis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Double bond geometry as shown.

●2 Na

RN 56776-30-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1E)-1,2-ethenediylbis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Double bond geometry as shown.

●2 Na

RN 59453-69-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1E)-1,2-ethenediylbis[5-[[4-[bis(2-

hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Double bond geometry as shown.

●2 Na

ANSWER 652 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

AN 1976:422782 CAPLUS

85:22782 DN

TI Crystalline forms of fluorescent whiteners

Heath, James C.; Werner, Raymond E.; Delaney, John W.; Crounse, Nathan N. IN

PA Sterling Drug Inc., USA

SO U.S., 12 pp. CODEN: USXXAM

DT Patent

English LA

FAN CNT 2

EAIN.	PAN.CNI Z							
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE			
	,							
PΙ	US 3951960	Α	19760420	US 1969-834560	19690618			
	BE 680847	A	19661114	BE 1966-680847	19660511			
	.US 4005026	Α	19770125	US 1975-610629	19750905			
PRAI	US 1962-177743	A2 .	19620306					
	US 1963-283558	A2	19630527					
	US 1966-526351	A2	19660210					
	US 1969-834560	A2	19690618					
ፐጥ	16090-02-1							

RL: USES (Uses)

(fluorescent brightener, for detergent compns.)

RN16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

L4 ANSWER 653 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:181613 CAPLUS

DN 84:181613

TI Crystalline forms of 4,4-bis-triazinylaminostilbene derivatives

IN Tscharner, Christopher J.; Schwarz, Maurice Jacob; Horlacher, Paul

PA Ciba-Geigy Corp., USA

SO U.S., 11 pp. CODEN: USXXAM

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3925260	Α	19751209	US 1973-389416	19730817
PRAI	US 1969-814562	A1	19690409		
	US 1971-195494	A1	19711103		
IT	3224-72-4 3271-19-0				
	RL: USES (Uses)				<i>y</i>
	(fluorescent bri	ghtener	, for white	detergent compns.)	
DM	2224.72.4 CARTIE		•		

RN 3224-72-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-methoxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

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 \sim NH- (CH₂)₃-OMe

RN 3271-19-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methoxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

 \sim NH- CH $_2-$ CH $_2-$ OMe

L4 ANSWER 654 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:174457 CAPLUS

DN 84:174457

TI Lack of mutagenic activity in Salmonella typhimurium of four optical brighteners

AU McGregor, D. B.; Ainsworth, L.

CS Inveresk Res. Int., Musselburgh, UK

SO Mutation Research (1976), 40(2), 169-71 CODEN: MUREAV; ISSN: 0027-5107

DT Journal

LA English

IT 13863-31-5 16090-02-1

RL: PRP (Properties)

(mutagenic activity in relation to)

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

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RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 655 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:152613 CAPLUS

DN 84:152613

TI White synthetic detergent

IN Yagi, Koichi; Yamanaka, Makoto; Kikuchi, Minoru

PA Kao Soap Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp. CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

FAN.	CNT 1 PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
			DAIE	AFFEICATION NO.	DATE
ΡI	JP 51005308	A2	19760117	JP 1974-76026	19740703
	JP 54011807	В4	19790517		
PRAI	JP 1974-76026	Α	19740703		
IT	17958-73-5 20579-01	-5			
	RL: USES (Uses)				
	(fluorescent bri	ghtenei	rs, for dete	rgents)	

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

 \sim NH- CH $_2-$ CH $_2-$ OH

RN20579-01-5 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME) CN

●2 Na

L4ANSWER 656 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:137303 CAPLUS

DN 84:137303

TICorrecting for non-uniformity of a silica sol coating

IN Miller, Richard C.; Payne, Charles C.

PA Nalco Chemical Co., USA

U.S., 3 pp. SO CODEN: USXXAM

 \mathbf{DT} Patent

LΑ

English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3930063	Α	19751230	US 1973-390897	19730823
	US 3981820	Α	19760921	US 1975-587320	19750616
PRAI	US 1973-390897	A3	19730823		

IT 4404-43-7

RL: USES (Uses)

(silica sol coatings containing, for uniformity monitoring during application of)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

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L4 ANSWER 657 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:137147 CAPLUS

DN 84:137147

TI Solid, cold water-soluble preparations

IN Agarwal, Suresh C.; Somlo, Tibor

PA Ciba-Geigy A.-G., Switz.

SO Ger. Offen., 26 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
P	I DE 2529567	A1	19760122	DE 1975-2529567	19750702
	СН 606359	Α	19781031	CH 1974-9195	19740704
PI	RAI CH 1974-9195	Α	19740704		
I	r 58764-42-4				
	DI + HEES /HEOG\				

RL: USES (Uses)

(granular, cold water-soluble fluorescent brightening composition)

RN 58764-42-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt, compd. with 1-methyl-2-pyrrolidinone (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 16090-02-1

CMF C40 H40 N12 O8 S2 . 2 Na

●2 Na

CM2

CRN 872-50-4 CMF C5 H9 N O

L4 ANSWER 658 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:75644 CAPLUS

DN 84:75644

TIFluorescent whitening

Masuda, Yugoro; Nakanishi, Seinosuke Kanebo, Ltd., Japan IN

PΑ

Jpn. Tokkyo Koho, 6 pp. SO CODEN: JAXXAD

DTPatent

LΑ Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 50022156 JP 1970-114790	B4 A	19750729 19701218	JP 1970-114790	19701218
IT	17958-73-5 RL: USES (Uses)	70++0n-ne	olyoator tou	tiles by anotherment	+ h

(whitening of cotton-polyester textiles by, pretreatment with diglycidyl ether creaseproofing agents in)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

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L4ANSWER 659 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN AN

1976:69975 CAPLUS

DN 84:69975

ΤI Long-term toxicity of four fluorescent whitening agents

ΑU Lyman, F. L.; Schulze, J.; Ganz, C. R.; Stensby, P. S.; Keplinger, M. L.; Calandra, J. C.

CS Ciba-Geigy Corp., Ardsley, NY, USA

SO Food and Cosmetics Toxicology (1975), 13(5), 521-7 CODEN: FCTXAV; ISSN: 0015-6264

DTJournal

LА English

IT 13863-31-5 16090-02-1 RL: ADV (Adverse effect, including toxicity); BIOL (Biological study) (toxicity of)

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

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RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 660 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1976:19577 CAPLUS

DN 84:19577

TI Fluorescent whitener compositions

PA Sterling Drug Inc., USA

SO Neth. Appl., 14 pp.

CODEN: NAXXAN

DT Patent LA Dutch FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE				
									
ΡI	NL 7314024	Α	19750415	NL 1973-14024	19731011				
PRAI	NL 1973-14024	Α	19731011						

IT 16090-02-1

RL: USES (Uses)

(fluorescent whitener, containing sodium sulfate, for improved water solubility)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 661 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1975:607848 CAPLUS

DN 83:207848

TI Fluorescent whitening composition

PA Sterling Drug Inc., USA

SO Fr. Demande, 14 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2246681	A1	19750502	FR 1973-36018	19731009
PRAI	FR 1973-36018	Α	19731009		

IT 16090-02-1

RL: USES (Uses)

(fluorescent brightener, powdered compositions of, with improved rate of dissolution)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

ANSWER 662 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L41975:595242 CAPLUS AN 83:195242 DN ΤI Stilbene compounds IN Balzer, Hans; Fleck, Fritz; Schmid, Hans Rudolf PA Sandoz Ltd. Patentschrift (Switz.), 9 pp. Addn. to Swiss 529,770. SO CODEN: SWXXAS DTPatent LА German FAN.CNT 1 PATENT NO. KIND . DATE APPLICATION NO. DATE CH 556856 PΙ Ά 19741213 CH 1971-600 19710115 PRAI CH 1971-600 Α 19710115 32892-88-9P 33763-21-2P 33909-80-7P IT RL: IMF (Industrial manufacture); PREP (Preparation) (preparation of) RN 32892-88-9 CAPLUS CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-amino-3-

oxopropyl)[3-(diethylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-

yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-B

---- NHPh

RN 33763-21-2 CAPLUS

CN Benzenesulfonic acid, 5-[[4-[(3-amino-3-oxopropyl)]3-(diethylamino)propyl]amino]-6-[(2-methylphenyl)amino]-1,3,5-triazin-2-yl]amino]-2-[2-[4-[[4-[(3-amino-3-oxopropyl)]3-(diethylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

RN 33909-80-7 CAPLUS

CN Benzenesulfonic acid, 5-[[4-[(3-amino-3-oxopropyl)][3-(4-morpholinyl)propyl]amino]-6-[(2-methylphenyl)amino]-1,3,5-triazin-2-yl]amino]-2-[2-[4-[[4-[(3-amino-3-oxopropyl)][3-(4-morpholinyl)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

L4 ANSWER 663 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1975:595175 CAPLUS

DN 83:195175

ΤI Fabric conditioners

IN Neiditch, Oscar W.; Rudy, Jerome

PΑ Lever Brothers Co., USA

U.S., 15 pp. CODEN: USXXAM so

DTPatent

English

FAN.	CNT 2 PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
		YIND	DAIE	APPLICATION NO.	
PI	US 3904533	Α	19750909	US 1970-72168	19700914
	SE 317643	В	19691124	SE 1964-8643	19640715
	DK 111953	В	19681028	DK 1964-3533	19640716
	CH 472532	Α	19690515	CH 1964-472532	19640716
	DK 114196	В	19690609	DK 1966-2857	19660602
PRAI	US 1963-295543	A2	19630716	·	
IT	4193-55-9 16090-02-	1			
	DT : 11000 /**				

RL: USES (Uses)

(optical brightners, in freeze-thaw-resistant softening compns. for textiles)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

•2 Na

PAGE 1-B

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RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

L4 ANSWER 664 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1975:588935 CAPLUS

DN 83:188935

TI Acute toxicity of selected commercial dyes to the fathead minnow and evaluation of biological treatment for reduction of toxicity

AU Little, Linda W.; Lamb, James C., III; Chillingworth, Mary Anne; Durkin, William B.

CS Sch. Public Health, Univ. North Carolina, Chapel Hill, NC, USA

SO Engineering Extension Series (Purdue University) (1974), 145, Pt. 1, 524-34

CODEN: PEXSAO; ISSN: 0097-0344

DT Journal

LA English

IT 4404-43-7

RL: ADV (Adverse effect, including toxicitý); BIOL (Biological study) (toxicity of, to fathead minnows)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

— сн₂— он

L4 ANSWER 665 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1975:581461 CAPLUS

DN 83:181461

TI Use of fluorescent whitener-containing tablets suitable for textile cleaning compositions

IN Boeck, Alexander; Mallmann, Matthias; Berg, Markus

PA Henkel und Cie. G.m.b.H., Fed. Rep. Ger.

SO Ger. Offen., 19 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 2

LWW.	UNI Z				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 2263940	A1	19740711	DE 1972-2263940	19721229
	DE 2263940	C2	19820408		
	FR 2212426	A1	19740726	FR 1973-15327	19730427
	NL 7316457	Α	19740702	NL 1973-16457	19731130
	BE 808957	A1	19740621	BE 1973-139143	19731221
	IT 1000602	Α	19760410	IT 1973-70828	19731221
	ZA 7309742	Α	19741127	ZA 1973-9742	19731228
	ES 421861	A1	19760801	ES 1973-421861	19731228
	AT 7310890	Α	19770215	AT 1973-10890	19731228
	AT 339247	В	19771010		
	CH 585260	Α	19770228	CH 1973-18258	19731228
PRAI	DE 1972-2263940	Α	19721229		
	DE 1973-2321693	Α	19730428		

ΙT 24231-46-7D, Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholiny1)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, salts RL: USES (Uses)

(tablets containing, for laundering)

RN 24231-46-7 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN. (phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4ANSWER 666 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1975:581117 CAPLUS

83:181117 DN

TI Derivatives of bis-(triazinylamino)-stilbene disulfonic acids useful as fluorescent whiteners

PA Hoechst A.-G., Fed. Rep. Ger.

SO Belg., 36 pp.

CODEN: BEXXAL

DTPatent

LΑ French

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	BE 820227	 A1	19750324	BE 1974-148797	19740923
	CH 7313558	A4	19770831	CH 1973-13558	19730921
	CH 603878	В	19780831		
	NL 7412250	А	19750325	NL 1974-12250	19740916
	US 3951965	Α	19760420	US 1974-506985	19740918
	DD 114842	С	19750820	DD 1974-181207	19740919
	IT 1022132	Α	19780320	IT 1974-27491	19740919
	JP 50059420	A2	19750522	JP 1974-107863	19740920
	BR 7407858	A0	19750729	BR 1974-7858	19740920
	CA 1044233	A1	19781212	CA 1974-209718	19740920
	FR 2244765	A1	19750418	FR 1974-31960	19740923
	FR 2244765	B1	19781124		
	GB 1489595	Α	19771019	GB 1974-41388	19740923
PRAI	СН 1973-13558	Α	19730921		
	F C 1 O F O F O F C 1 O F				

IT 56125-30-5P 56125-32-7P 56125-34-9P

56125-47-4P

RL: IMF (Industrial manufacture); PREP (Preparation) (preparation of)

RN 56125-30-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(benzoylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

PAGE 1-B

PAGE 1-A

56125-32-7 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(phenylamino)-6-[[3-CN [[(phenylamino)carbonyl]amino]propyl]amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PhNH-C-NH- (CH2) 3-NH NH-SO3H SO3H

●2 Na

NHPh

PAGE 1-B

RN 56125-34-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[methyl[3-[[(4-methylphenyl)sulfonyl]amino]propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

$$-NH \xrightarrow{N} N \xrightarrow{N} N - (CH2)3 - NH - S \xrightarrow{N} N = NHPh$$

RN 56125-47-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(formylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

56125-09-8 56125-10-1 56125-21-4 IT 56125-22-5 56125-26-9 56125-28-1 56125-29-2 56125-31-6 56125-33-8 56125-35-0 56125-36-1 56125-37-2 56125-38-3 56125-40-7 56125-42-9 56125-44-1 56125-45-2 56125-46-3 56190-23-9 56190-28-4 57038-68-3 57038-69-4 RL: PRP (Properties) (spectrum of) RN 56125-09-8 CAPLUS CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[2-(acetylamino) ethyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

RN 56125-10-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[2-(acetylamino)ethyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, compd. with 2,2',2''-nitrilotris[ethanol] (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 56125-09-8

CMF C40 H42 N14 O8 S2

PAGE 1-A

PAGE 1-B

CM 2

CRN 102-71-6 CMF C6 H15 N O3

RN 56125-21-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(acetylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

 \sim NH- (CH₂)₃-NHAc

RN 56125-22-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(acetylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-(9CI) (CA INDEX NAME)

AcNH- (CH₂)₃-NH NH NH CH CH CH N N NHPh

PAGE 1-B

 \sim NH- (CH₂)₃-NHAc

RN 56125-26-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(acetylamino)propyl]methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

RN 56125-28-1 CAPLUS
CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis[3-(acetylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-(9CI) (CA INDEX NAME)

- NHAC

RN 56125-29-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-[(1-oxooctadecyl)amino]propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

$$-NH \xrightarrow{N} NH - (CH2)3 - NH - C - (CH2)16 - Me$$

$$NHPh$$

RN 56125-31-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-[(ethoxycarbonyl)amino]propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Eto-C-NH-(CH₂)₃-NH
NHPh
SO₃H
$$NH$$
NH
SO₃H

●2 Na

PAGE 1-B

RN 56125-33-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-[[4-methylphenyl)sulfonyl]amino]propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

Me
$$\stackrel{\circ}{\underset{S-NH-(CH_2)}{\parallel}}$$
 $\stackrel{\circ}{\underset{S-NH-(CH_2)}{\parallel}}$ $\stackrel{\circ}{\underset{NHPh}{\parallel}}$ $\stackrel{\circ}{\underset{SO_3H}{\parallel}}$ $\stackrel{\circ}{\underset{SO_3H}{\parallel}}$

PAGE 1-B

RN 56125-35-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-

(acetylcyclohexylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

RN 56125-36-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(acetylphenylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-(9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

RN 56125-37-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(2,5-dioxo-1-pyrrolidinyl)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

N—
$$(CH_2)_3$$
 — NH — NH — CH — CH — CH — SO_3H

●2 Na

PAGE 1-B

RN 56125-38-3 CAPLUS

CN Butanoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-(phenylamino)-1,3,5-triazine-4,2-diyl]imino-3,1-propanediylimino]]bis[4-oxo-, tetrasodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●4 Na

RN 56125-40-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

RN 56125-42-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(2-oxo-1(2H)-pyridinyl)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

RN 56125-44-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[4-[(4-[(aminocarbonyl)amino]butyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

RN 56125-45-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[5-(acetylamino)pentyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

 \sim NH- (CH₂) 5- NHAc

RN 56125-46-3 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(phenylamino)-6-[[6-[(phenylsulfonyl)amino]hexyl]amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

RN 56190-23-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[2-(acetylamino)-1-methylethyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

RN 56190-28-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(acetylmethylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-(9CI) (CA INDEX NAME)

Me
$$Ac-N-(CH_2)_3-NH$$
 $NH-N-NH$ $CH=CH-NH-N-NH$ $NHPh$ SO_3H SO_3H $NHPh$

RN 57038-68-3 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[2-(acetylamino)ethyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 56125-09-8

CMF C40 H42 N14 O8 S2

PAGE 1-A

PAGE 1-B

CM 2

CRN 121-44-8 CMF C6 H15 N

RN 57038-69-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(acetylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, compd. with 2,2'-iminobis[ethanol] (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 56125-22-5

CMF C42 H46 N14 O8 S2

NHPh

SO3H

PAGE 1-B

NHPh

SO₃H

 \sim NH- (CH₂)₃-NHAc

CM 2

CRN 111-42-2 CMF C4 H11 N O2

но- сн2- сн2- ин- сн2- сн2- он

L4 ANSWER 667 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1975:573350 CAPLUS

DN 83:173350

TI Accumulation and elimination studies of four detergent fluorescent whitening agents in bluegill (Lepomis macrochirus)

AU Ganz, Charles R.; Schulze, Janos; Stensby, Per S.; Lyman, Frank L.; Macek, Kenneth

CS Dyest. Chem. Div., Ciba-Geigy Corp., Greensboro, NC, USA

SO Environmental Science and Technology (1975), 9(8), 738-44 CODEN: ESTHAG; ISSN: 0013-936X

DT Journal

LA English

RN 56776-29-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1E)-1,2-ethenediylbis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Double bond geometry as shown.

●2 Na

RN 56776-30-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1E)-1,2-ethenediylbis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Double bond geometry as shown.

2 Na

L4 ANSWER 668 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1975:565829 CAPLUS

DN 83:165829

TI Fluorescent whitener for cotton and paper

IN Fleck, Fritz

PA Sandoz Ltd.

SO Ger. Offen., 18 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
				
DE 2424502	A 1	19741212	DE 1974-2424502	19740520
CH 583211	A	19761231	СН 1973-7256	19730522
NL 7406642	Α	19741126	NL 1974-6642	19740517
BE 815300	A1	19741120	BE 1974-144546	19740520
	DE 2424502 CH 583211 NL 7406642	DE 2424502 A1 CH 583211 A NL 7406642 A	DE 2424502 A1 19741212 CH 583211 A 19761231 NL 7406642 A 19741126	DE 2424502 A1 19741212 DE 1974-2424502 CH 583211 A 19761231 CH 1973-7256 NL 7406642 A 1974126 NL 1974-6642

JP 50021025	A2	19750306	JP 1974-55676	19740520
ES 426481	A1	19760916	ES 1974-426481	19740520
GB 1459682	Α	19761222	GB 1974-22413	19740520
FR 2230641	A1	19741220	FR 1974-17822	19740522
AU 7469260	A1	19751127	AU 1974-69260	19740522
PRAI CH 1973-7256	Α	19730522		
TM				

IT 54914-82-8P

RL: IMF (Industrial manufacture); PREP (Preparation) (preparation and paper and detergent composition whitening by)

RN 54914-82-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-amino-3-oxopropyl)[2-(2-hydroxyethoxy)ethyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

____NHPh

```
L4 ANSWER 669 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
```

AN 1975:558893 CAPLUS

DN 83:158893

TI Experimental modification of photocarcinogenesis. III. Simulation of exposure to sunlight and fluorescent whitening agents

AU Forbes, P. D.; Urbach, F.

CS Health Sci. Cent., Temple Univ., Philadelphia, PA, USA

SO Food and Cosmetics Toxicology (1975), 13(3), 343-5 CODEN: FCTXAV; ISSN: 0015-6264

DT Journal

LA English

IT 13863-31-5 16090-02-1

RL: BIOL (Biological study)

(photocarcinogenesis enhancement in relation to)

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-

hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

•2 Na

PAGE 1-B

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RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 670 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1975:558892 CAPLUS

DN 83:158892

10/519,031

- TI Experimental modification of photocarcinogenesis. II. Fluorescent whitening agents and simulated solar UVR [uv radiation]
- AU Forbes, P. D.; Urbach, F.
- CS Health Sci. Cent., Temple Univ., Philadelphia, PA, USA
- SO Food and Cosmetics Toxicology (1975), 13(3), 339-42 CODEN: FCTXAV; ISSN: 0015-6264
- DT Journal
- LA English
- IT 13863-31-5

RL: BIOL (Biological study)

(photocarcinogenesis enhancement in relation to)

- RN 13863-31-5 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

PhNH NH CH CH
$$\sim$$
 NH NHPh \sim NHPh \sim NHPh \sim NH NHPh \sim NH NHPh \sim NH

●2 Na

PAGE 1-B

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- L4 ANSWER 671 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1975:551930 CAPLUS
- DN 83:151930
- TI Purification of industrial waste waters with cellulose-containing adsorbents
- IN Wegmuller, Hans; Haase, Jaroslav
- PA Ciba-Geigy A.-G., Switz.
- SO Ger. Offen., 35 pp. Division of Ger. Offen. 2,321,627.

CODEN:	GWXXBX

DTPatent LΑ German FAN.CNT 3

212(102(1))						
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
ΡI	DE 2365559	A1	19750710	DE 1973-2365559	19730428	
	CH 566942	A	19750930	CH 1972-7012	19720510	
	ZA 7302982	Α	19740424	ZA 1973-2982	19730502	
	CA 1007771	A1	19770329	CA 1973-170510	19730507	
	BE 799311	A1	19731109	BE 1973-130925	19730509	
	FR 2184030	A 1	19731221	FR 1973-16786	19730509	
	GB 1424878	Α.	19760211	GB 1973-22190	19730509	
	NL 7306549	Α	19731113	NL 1973-6549	19730510	
	JP 49049459	A2	19740514	JP 1973-52073	19730510	
	SU 554806	D	19770415	SU 1973-1919493	19730510	
	US 4025428	Α	19770524	US 1975-575279	19750507	
	US 3979285	Α	19760907	US 1975-582021	19750529	
	US 4026796	Α	19770531	US 1976-690804	19760527	
PRAI	CH 1972-7012	Α	19720510			
	US 1973-356853	A 3	19730503		•	
	US 1975-582021	A3	19750529			
TΨ	13863-31-5					

IT 13863-31-5

RL: REM (Removal or disposal); PROC (Process)

(removal of, from waste water, polyamide polyamine-containing cellulose adsorbent for)

13863-31-5 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME) CN

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NAME)

```
ANSWER 672 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
AN
     1975:549515 CAPLUS
DN
     83:149515
TΙ
     Composition for whitening of textiles
     Von Ruette, Richard; Gasser, Walter
IN
PA
     Ciba-Geigy A.-G., Switz.
     Ger. Offen., 15 pp.
SO
     CODEN: GWXXBX
DT
     Patent
LΑ
     German,
FAN.CNT 1
     PATENT NO.
                         KIND
                                DATE
                                            APPLICATION NO.
                                                                    DATE
                         ____
PΙ
     DE 2454946
                         A1
                                19750605
                                            DE 1974-2454946
                                                                    19741120
     CH 7316761
                         A4
                                19750214
                                            CH 1973-16761
                                                                   19731129
     CH 617315
                         В
                                19800530
     US 4008172
                         Α
                                19770215
                                            US 1974-519890
                                                                   19741031
     GB 1502106
                         Α
                                19780222
                                            GB 1974-28648
                                                                   19741124
     GB 1502105
                                19780222
                                            GB 1974-46094
                                                                   19741124
                         Α
     FR 2253123
                         A1
                                19750627
                                            FR 1974-38688
                                                                   19741126
     JP 50088383
                         A2
                                19750716
                                            JP 1974-136357
                                                                   19741129
     US 30227
                          E
                                19800311
                                            US 1978-894262
                                                                   19780407
PRAI CH 1973-16761
                         Α
                                19731129
     US 1974-519890
                          Α5
                                19741031
     24565-13-7
IT
     RL: USES (Uses)
        (fluorescent whiteners, for synthetic fibers)
RN
     24565-13-7 CAPLUS
CN
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(ethylamino)-6-
```

(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX

•2 Na

ANSWER 673 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

AN 1975:517464 CAPLUS

DN 83:117464

TI Optical brightening of paper

Kay, Brunhilde; Boynes, Michael J.; Clark, David Ronald; Wright, Malcolm IN Boyd; Hyde, Thomas G.

PA Ciba-Geigy A.-G., Switz.

SO Brit., 16 pp. CODEN: BRXXAA

DTPatent

LΑ English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 1369202	A	19741002	GB 1970-32842	19710810
PRAI	GB 1970-32842	Α	19710810		
IT	4193-55-9				

RL: USES (Uses)

(optical brightening of paper pulp with organic acids and)

RN 4193-55-9 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

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ANSWER 674 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
     1975:499221 CAPLUS
ΑN
     83:99221
DN
ΤI
     Bis (triazinylamino) stilbenedisulfonic acid derivatives
     Mengler, Helmut; Schinzel, Erich; Roesch, Guenter
IN
PA
     Hoechst A.-G., Fed. Rep. Ger.
SO
     Ger. Offen., 39 pp.
     CODEN: GWXXBX
DΤ
     Patent
LΑ
     German
FAN.CNT 3
     PATENT NO.
                          KIND
                                 DATE
                                             APPLICATION NO.
                                                                     DATE
ΡI
                                                                     19740919
     DE 2444784
                                 19750403
                                             DE 1974-2444784
                           A1
     CH 7313558
                                 19770831
                                             CH 1973-13558
                                                                     19730921
                           Α4
     CH 603878
                           В
                                 19780831
     NL 7412250
                          Α
                                 19750325
                                             NL 1974-12250
                                                                     19740916
     US 3951965
                                 19760420
                                             US 1974-506985
                                                                     19740918
                          Α
     DD 114842
                          С
                                 19750820
                                             DD 1974-181207
                                                                     19740919
     IT 1022132
                          Α
                                 19780320
                                             IT 1974-27491
                                                                     19740919
                                             JP 1974-107863
     JP 50059420
                          A2
                                 19750522
                                                                     19740920
     BR 7407858
                          A0
                                 19750729
                                             BR 1974-7858
                                                                     19740920
     CA 1044233
                          A1
                                             CA 1974-209718
                                                                     19740920
                                 19781212
     FR 2244765
                          A1
                                 19750418
                                             FR 1974-31960
                                                                     19740923
     FR 2244765
                          В1
                                 19781124
     GB 1489595
                                             GB 1974-41388
                                                                     19740923
                          Α
                                 19771019
PRAI CH 1973-13558
                                 19730921
                          Α
     56125-09-8P 56125-10-1P 56125-11-2P
IT
     56125-21-4P 56125-22-5P 56125-23-6P
     56125-26-9P 56125-28-1P 56125-29-2P
     56125-30-5P 56125-31-6P 56125-33-8P
     56125-34-9P 56125-35-0P 56125-36-1P
     56125-37-2P 56125-38-3P 56125-40-7P
     56125-42-9P 56125-44-1P 56125-45-2P
     56125-46-3P 56190-23-9P 56190-28-4P
     RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
        (preparation and fluorescent spectra of)
RN
     56125-09-8 CAPLUS
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[2-
CN
     (acetylamino)ethyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI)
       (CA INDEX NAME)
```

RN 56125-10-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[2-(acetylamino)ethyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, compd. with 2,2',2''-nitrilotris[ethanol] (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 56125-09-8

CMF C40 H42 N14 O8 S2

PAGE 1-A

PAGE 1-B

CM 2

CRN 102-71-6 CMF C6 H15 N O3

RN 56125-11-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[2-(acetylamino)ethyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, compd. with N,N-diethylethanamine (1:2) (9CI) (CA INDEX NAME)

10/519,031

CM 1

CRN 56125-09-8

CMF C40 H42 N14 O8 S2

PAGE 1-A

PAGE 1-B

CM 2

CRN 121-44-8 CMF C6 H15 N

RN 56125-21-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(acetylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

 \sim NH- (CH₂)₃-NHAc

RN 56125-22-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(acetylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-(9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

 \sim NH- (CH₂)₃-NHAc

RN 56125-23-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(acetylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, compd. with 2,2',2''-nitrilotris[ethanol] (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 56125-22-5 CMF C42 H46 N14 O8 S2

PAGE 1-A

PAGE 1-B

_NH- (CH2) 3-NHAc

CM 2

CRN 102-71-6 CMF C6 H15 N O3

RN 56125-26-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(acetylamino)propyl]methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

RN 56125-28-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis[3-(acetylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-(9CI) (CA INDEX NAME)

PhNH NH NH HO3S NH NHPh

AcNH- (CH2) 3-N

AcNH- (CH2) 3

$$(CH2)$$
 3-NHAc

PAGE 1-B

-- NHAc

RN 56125-29-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-[(1-oxooctadecyl)amino]propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

RN 56125-30-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(benzoylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

Ph-C-NH- (CH₂) 3-NH
N
NHPh
SO₃H
$$NH$$
NH
SO₃H

●2 Na

PAGE 1-B

RN 56125-31-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-[(ethoxycarbonyl)amino]propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

RN 56125-33-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-[[(4-methylphenyl)sulfonyl]amino]propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

RN 56125-34-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[methyl[3-[[(4-

methylphenyl)sulfonyl]amino]propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

Me NHPh
$$CH = CH$$

No NHPh

PAGE 1-B

RN 56125-35-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(acetylcyclohexylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

RN 56125-36-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(acetylphenylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-(9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

RN 56125-37-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(2,5-dioxo-1-pyrrolidinyl)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A.

$$N$$
— $(CH_2)_3$ — NH — NH — CH — CH — CH — CH — SO_3H

●2 Na

PAGE 1-B

RN 56125-38-3 CAPLUS

CN Butanoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-(phenylamino)-1,3,5-triazine-4,2-diyl]imino-3,1-propanediylimino]]bis[4-

oxo-, tetrasodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●4 Na

PAGE 1-B

RN 56125-40-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

O (CH₂)
$$_3$$
 - NH NH CH CH CH SO₃H

●2 Na

RN 56125-42-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(2-oxo-1(2H)-pyridinyl)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

RN 56125-44-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[4-[(4-[(aminocarbonyl)amino]butyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$_{\text{H}_{2}\text{N}-\text{C}-\text{NH}-\text{(CH}_{2})}^{\text{O}}$$
 $_{\text{N}}^{\text{N}}$ $_{\text{N}}^{\text{N}}$ $_{\text{N}}^{\text{N}}$ $_{\text{N}}^{\text{N}}$ $_{\text{N}}^{\text{N}}$ $_{\text{SO}_{3}\text{H}}$ $_{\text{SO}_{3}\text{H}}$

●2 Na

PAGE 1-B

RN 56125-45-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[5-(acetylamino)pentyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

 \sim NH- (CH₂)₅-NHAc

RN 56125-46-3 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(phenylamino)-6-[[6-[(phenylsulfonyl)amino]hexyl]amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

RN 56190-23-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[2-(acetylamino)-1-methylethyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

RN 56190-28-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(acetylmethylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-(9CI) (CA INDEX NAME)

PAGE 1-A

Me Ac-N- (CH₂)
$$_3$$
-NH NH NH CH CH CH NH N N NHPh

PAGE 1-B

IT 56125-32-7P 56125-47-4P

RN 56125-32-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(phenylamino)-6-[[3-[[(phenylamino)carbonyl]amino]propyl]amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

RN 56125-47-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[[3-(formylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

L4 ANSWER 675 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1975:462437 CAPLUS

DN 83:62437

TI Fluorescent whitener composition

IN Langstroth, Theodore A.

PA Sterling Drug Inc., USA

SO Ger. Offen., 16 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2351430	A 1	19750424	DE 1973-2351430	19731012
PRAI	DE 1973-2351430	Α	19731012		
IT	16090-02-1				

RL: USES (Uses)

(fluorescent brightener, for detergents, milling of)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 676 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1975:461741 CAPLUS

DN 83:61741

TI Bis(triazinylamino)stilbenedisulfonic acid derivatives

IN Mengler, Helmut; Roesch, Guenter

PA Farbwerke Hoechst A.-G.

SO Ger. Offen., 30 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2325582	A 1	19741205	DE 1973-2325582	19730519
	CH 746687	A4	19760730	CH 1974-6687	19740515
	BR 7404051	A0	19741203	BR 1974-4051	19740517
	JP 50032226	A2	19750328	JP 1974-54611	19740517
	IT 1012615	Α	19770310	IT 1974-22914	19740517
	GB 1476175	Α	19770610	GB 1974-22041	19740517
	FR 2229695	A 1	19741213	FR 1974-17417	19740520
PRAI	DE 1973-2325582	Α	19730519		

IT 54642-03-4P 54642-04-5P

RL: IMF (Industrial manufacture); PREP (Preparation) (preparation of)

RN 54642-03-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(phenylamino)-6-[[2-(sulfothio)ethyl]amino]-1,3,5-triazin-2-yl]amino]-, tetrasodium salt (9CI) (CA INDEX NAME)

●4 Na

PAGE 1-B

RN 54642-04-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-mercaptoethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

__NH-CH2-CH2-SH

L4 ANSWER 677 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1975:461475 CAPLUS

DN 83:61475

TI Poly(vinyl alcohol) fiber with improved heat stability

IN Sato, Hidefumi; Matsuura, Osamu; Tsuchiya, Masaaki

PA Unitika Ltd.

SO Jpn. Tokkyo Koho, 5 pp. CODEN: JAXXAD

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.

KIND DATE

APPLICATION NO.

DATE

salt (9CI) (CA INDEX NAME)

JP 49010310 19740309 JP 1969-30592 19690418 PΙ В4 PRAI JP 1969-30592 19690418 17958-73-5 ΙT RL: USES (Uses) (vinal fibers containing excess of, heat-resistant) RN 17958-73-5 CAPLUS Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-CN

hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium

●2 Na

PAGE 1-B

NH-CH2-CH2-OH

ANSWER 678 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L41975:444736 CAPLUS AN DN 83:44736 Stilbene fluorescent whiteners ΤI IN Fringeli, Werner; Liechti, Peter PA Ciba-Geigy A.-G., Switz. SO Ger. Offen., 37 pp. CODEN: GWXXBX DΤ Patent LΑ German

FAN.CNT 1 PATENT NO. APPLICATION NO. KIND DATE DATE **____**____ _---19740912 PΙ DE 2443577 **A**1 19750327 DE 1974-2443577 PRAI CH 1973-13552 19730920 TТ 54642-03-4P 55583-96-5P

RL: IMF (Industrial manufacture); PREP (Preparation) (preparation of, fluorescent brightener)

RN 54642-03-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(phenylamino)-6-[[2-(sulfothio)ethyl]amino]-1,3,5-triazin-2-yl]amino]-, tetrasodium salt (9CI) (CA INDEX NAME)

●4 Na

PAGE 1-B

RN 55583-96-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(phenylamino)-6-[[3-(sulfothio)propyl]amino]-1,3,5-triazin-2-yl]amino]-, tetrasodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$N = S - (CH_2) 3 - NH$$
 $N = NH$
 $N =$

4 Na

PAGE 1-B

L4 ANSWER 679 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1975:427140 CAPLUS

DN 83:27140

TI Relation between cathodoluminescence and molecular structure of organic compounds

AU De Mets, M.

CS Lab. Elektronenmicrosc., Rijksuniv. Gent, Ghent, Belg.

SO Microscopica Acta (1975), 76(5), 405-14 CODEN: MSACCU; ISSN: 0044-376X

DT Journal

LA English

IT 16090-02-1

RL: PRP (Properties)

(cathodoluminescence of)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 680 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1975:412755 CAPLUS

DN 83:12755

TI Storage-stable, per salt-, bleach activator-, fluorescent whitener-containing detergent

IN Bloching, Helmut

PA Henkel und Cie. G.m.b.H., Fed. Rep. Ger.

SO Ger. Offen., 21 pp. CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

1141.	ON I				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2338623	A1	19750220	DE 1973-2338623	19730730
	NL 7408946	Α	19750203	NL 1974-8946	19740702
	GB 1472588	Α	19770504	GB 1974-33101	19740726
	BE 818193	A1	19750129	BE 1974-147030	19740729
	AT 7406198	Α	19760815	AT 1974-6198	19740729
	CH 606413	Α	19781031	CH 1974-10430	19740729
	FR 2239523	A1	19750228	FR 1974-26480	19740730
	IT 1016735	Α	19770620	IT 1974-69421	19740730
PRAI	DE 1973-2338623	Α	19730730		
TO	1,000 00 1 01000 04	_			

IT 16090-02-1 31900-04-6

RL: USES (Uses)

(fluorescent brighteners, detergents containing, with storage stability)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 681 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1975:172965 CAPLUS

DN 82:172965

TI Problems of fluorescent whiteners

AU Bode, Klaus D.

CS Anwendungstech. Abt., Bayer A.-G., Sparte Farben, Leverkusen, Fed. Rep.

SO Tenside Detergents (1975), 12(1), 69-70 CODEN: TSDTAZ; ISSN: 0040-3490

DT Journal

LA German.

L4

IT 24231-46-7

RL: USES (Uses)

(fluorescent whiteners, affinity of, for cotton)

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

10/519,031

AN 1975:133684 CAPLUS

DN 82:133684

TI Fluorescent whitening agents. Acute fish toxicity and accumulation studies

AU Sturm, R. N.; Williams, K. E.; Macek, K. J.

CS Environ. Water Qual. Res. Dep., Procter and Gamble Co., Cincinnati, OH, USA

SO Water Research (1975), 9(2), 211-19 CODEN: WATRAG; ISSN: 0043-1354

DT Journal

LA English

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

PhNH NH NH HO3S NH NHPh HO3S NH N CH2
$$\sim$$
 NH N NHPh Me

●2 Na

PAGE 1-B

- CH₂- OH

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 683 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1975:100604 CAPLUS

DN 82:100604

TI Whiter than white. Evaluation of FWAs [fluorescent whitening agents]

AU Van Ruette, R.

CS Ciba-Geigy Ltd., Basel, Switz.

SO Manufacturing Chemist & Aerosol News (1975), 46(1), 36-7, 39 CODEN: MCANAH; ISSN: 0025-2557

DT Journal

LA English

IT 24231-46-7 52435-15-1 54822-17-2

RL: USES (Uses)

(fluorescent brightener, evaluation of, for detergent compns.)

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 52435-15-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

— cн₂— он

RN 54822-17-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(ethylamino)-6-(phenylamino) -1, 3, 5-triazin-2-yl]amino] - (9CI) (CA INDEX NAME)

L4ANSWER 684 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

ΑN 1975:99253 CAPLUS

DN 82:99253

TIAdhesives containing fluorescent whiteners

Roederhoff, Bernhard; Rugenstein, Malte IN

PA Henkel und Cie. G.m.b.H.

SO Ger. Offen., 9 pp. CODEN: GWXXBX

DΤ Patent

LА German

FAN.CNT 1

L 2 114 . V	211 7	•			
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2304887	A1	19741024	DE 1973-2304887	19730201
PRAI	DE 1973-2304887	Α	19730201		
IT	24231-46-7				
	DI. HSES (Heas)				

RL: USES (Uses)

(fluorescent brighteners, adhesives containing, for quality control)

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4ANSWER 685 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1975:87707 CAPLUS

DN 82:87707

TI Substituted benzaldazine compounds as fluorescent whiteners

IN Jaskewycz, Taras

SO U.S., 6 pp. CODEN: USXXAM

DTPatent

LΑ English

FAN.CNT 1

RN

PATENT NO. KIND APPLICATION NO. DATE PΙ US 3780029 Α 19701027 19731218 US 1970-84511 PRAI US 1970-84511 19701027 Α

IT 51367-04-5P

> RL: IMF (Industrial manufacture); PREP (Preparation) (preparation of)

51367-04-5 CAPLUS

CNBenzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, mixt. with 4-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzaldehyde [[4-[[4-(4morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]phenyl]methylene]hyd razone (9CI) (CA INDEX NAME)

CM 1

CRN 51347-11-6 CMF C40 H40 N14 O2

PAGE 1-B

CM 2

CRN 24231-46-7

CMF C40 H40 N12 O8 S2

L4ANSWER 686 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1975:74845 CAPLUS

DN 82:74845

Synthetic detergent composition containing a fluorescent bleaching agent ΤI

IN Ohkubo, Ichiro; Abe, Nobuyoshi; Takemiya, Hiroyasu

Mitsui Toatsu Chemicals, Inc. PA

Jpn. Tokkyo Koho, 4 pp. SO

CODEN: JAXXAD

DTPatent

LΑ Japanese

FAN.CNT 1

111110111				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
·				
PI JP 49017404	B4	19740430	JP 1970-105297	19701128
PRAI JP 1970-105297		19701128		
Tm 16000 00 1		•		

ΙT 16090-02-1

RL: USES (Uses) (fluorescent brighteners, detergents containing)

RN16090-02-1 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) NAME)

●2 Na

L4ANSWER 687 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

1975:74476 CAPLUS AN

DN 82:74476

TI Benzaldazine derivatives and their use as fluorescent whiteners

IN Jaskewycz, Taras

PA Albright and Wilson (Australia) Ltd.

SO Pat. Specif. (Aust.), 26 pp.

CODEN: ALXXAP

DTPatent

LΑ English

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE PΙ AU 455187

19741101 AU 1970-21542 19691028

IT 24231-46-7

RL: USES (Uses)

(benzaldazine mixts. containing, fluorescent brightener)

RN 24231-46-7 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4ANSWER 688 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1975:60499 CAPLUS

82:60499 DN

ΤI Analysis of fluorescent whitening agents in U.S. home laundry detergents

ΑU Schulze, Janos; Polcaro, Terrance; Stensby, Per

Dyest. Chem. Div., Diba-Geigy Corp., Greensboro, NC, USA CS

Soap, Cosmetics, Chemical Specialties (1974), 50(11), 46, 48, 50, 52 SO CODEN: SCCSC8; ISSN: 0091-1372

DTJournal

English LА

4193-55-9 13863-31-5 16090-02-1 IT

31900-04-6

RL: USES (Uses)

(thin-layer chromatog. determination of, in home laundry detergents)

RN4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

PAGE 1-B

- сн $_2$ - он

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

2 Na

PAGE 1-B

— cн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 689 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1975:60493 CAPLUS

DN 82:60493

TI Influence of light on the effectiveness of fluorescent whiteners

AU Bode, Klaus D.

CS Bayer, A.-G., Leverkusen, Fed. Rep. Ger.

SO Investigación e Información Textil y de Tensioactivos (1974), 17(3), 413-25

CODEN: IITTCS; ISSN: 0302-5268

DT Journal

LA Spanish

IT 24231-46-7 35632-99-6

RL: USES (Uses)

(lightfastness of, effect of detergent components on)

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-

(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 690 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1975:45064 CAPLUS

DN 82:45064

TI Crystalline 4,4'-bis[[4-anilino-6-[bis(2-hydroxyethyl)amino]-1,3,5-triazin-2-yl]amino]stilbene-2,2'-disulfonic acid, a low temperature fluorescent brightener

PA Ciba-Geigy A.-G.

SO Brit., 8 pp. CODEN: BRXXAA

DT Patent

LA English

FAN.CNT 1

ran.	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 1355218	Α	19740605	GB 1971-50677	19711101
	CA 990718	A 1	19760608	CA 1971-126544	19711101
PRAI	US 1970-86243	Α	19701102		
IT	4404-43-7P				
	RL: IMF (Industrial	manufa	cture); PREP	(Preparation)	
	(preparation of)			•	
RN	4404-43-7 CAPLUS				

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

10/519,031

L4 ANSWER 691 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1974:554986 CAPLUS

DN 81:154986

TI Detergent compositions containing fluorescent whitening agents with good whiteness

IN Inai, Teruichi; Yamane, Akinori; Sakaguchi, Tadao

PA Sumitomo Chemical Co., Ltd.

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

111110111 1				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 49050021	A2	19740515	JP 1972-92369	19720913
JP 52008852	B4	19770311		
PRAI JP 1972-92369	Α	19720913		

IT 16090-02-1 53161-15-2

RL: USES (Uses)

(fluorescent brighteners, detergents containing)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 53161-15-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, dipotassium salt (9CI) (CA INDEX NAME)



L4ANSWER 692 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1974:537606 CAPLUS

DN 81:137606

ΤI Bis(triazinylamino)stilbene derivatives

Watanabe, Tetsuo; Fujii, Fumio; Ootaki, Eiichi; Mori, Hidetoshi; Morinaka, IN Ryoichi; Kuboi, Tadao

PA Mitsui Toatsu Chemicals Inc.

Jpn. Kokai Tokkyo Koho, 4 pp. SO CODEN: JKXXAF

DTPatent

LΑ Japanese

FAN.CNT 1

	O11 1 .				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	JP 48058025	A2	19730815	JP 1971-94129	19711125
PRAI	JP 1971-94129	Α	19711125		
IT	24231-46-7P 31449-6	9-1P			
	RL: IMF (Industrial	manufa	cture); PREP	(Preparation)	

(preparation of)

24231-46-7 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN31449-69-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

DATE

\sim NH- CH $_2-$ CH $_2-$ OH

L4 ANSWER 693 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

KIND

DATE

AN 1974:537604 CAPLUS

DN 81:137604

TI Crystalline 4,4'-bis[6-anilino-4-(3-methoxypropyl-amino)-1,3,5-triazin-2-yl]amino]stilbene-2,2'-disulfonic acid, a low temperature fluorescent brightener

PA Ciba-Geigy, A.-G.

SO Brit., 8 pp. CODEN: BRXXAA

PATENT NO.

INDEX NAME)

DT Patent

LA English

FAN.CNT 1

PI	GB 1354382	Α	19740530	GB 1971-50676	19711101			
	CA 990717	A1	19760608	CA 1971-126542	19711101			
PRAI	บร 1970-86005	Α	19701102					
IT	52846-58-9P							
	RL: IMF (Industrial manufacture); PREP (Preparation)							
	(preparation of)			· ·				
RN	52846-58-9 CAPLUS							
CN	Benzenesulfonic acid	1, 2,2'	-(1,2-ethene	diyl)bis[5-[[4-[(3-				
	methoxypropyl)aminol	1-6-(ph	envlamino)-1	3.5-triazin-2-vllamino	1- (9CT)	(CA		

APPLICATION NO.

PAGE 1-B

 \sim NH- (CH₂)₃-OMe

L4 ANSWER 694 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1974:523286 CAPLUS

DN 81:123286

TI Fluorescent whitener compositions

IN Kissling, Bruno; Pummer, Helmut

PA Sandoz Ltd.

SO Patentschrift (Switz.), 13 pp. CODEN: SWXXAS

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE			
PΙ	CH 548484	Α	19740430	CH 1970-12387	19700819			
PRAI	CH 1970-12387	A	19700819					
IT	13863-31-5 37515-77	-8						
	RL: USES (Uses)							
	(fluorescent bri	ghtenin	g compositio	n containing kaolin, po	ly(ether amine)			
and,								
	for paper)							
RN	13863-31-5 CAPLUS							
CN	Benzenesulfonic aci	d, 2,2'	-(1,2-ethene	diyl)bis[5-[[4-[(2-				
				no)-1,3,5-triazin-2-yl]	amino]-,			
	disodium salt (9CT)	_						

●2 Na

PAGE 1-B

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RN 37515-77-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-amino-3-oxopropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Na

PAGE 1-B

L4ANSWER 695 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

ΑN 1974:522799 CAPLUS

DN 81:122799

New crystalline form of 4,4'-bis[[4-anilino-6-[(2-ΤI hydroxyethyl)methylamino]-1,3,5-triazin-2-yl]amino]stilbene-2,2'disulfonic acid

Ciba-Geigy A.-G. PA ·

Brit., 10 pp. CODEN: BRXXAA so

DT Patent

Enalish

EVN (English CNT 1				
ran.	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	GB 1353690	 А	19740522	GB 1971-50678	19711101
	CA 991173	A1	19760615	CA 1971-126541	19711101
PRAI	US 1970-86004	Α	19701102		
IT	13863-31-5				
	RL: PROC (Process)				
	(acidification o	f)			
RN	13863-31-5 CAPLUS				
CN		amino]-	-6-(phenylam	ediyl)bis[5-[[4-[(2- ino)-1,3,5-triazin-2-y	l]amino]-,

•2 Na

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IT 52435-15-1

RL: USES (Uses)

(fluorescent brightener for detergents)

RN 52435-15-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

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L4 ANSWER 696 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1974:493089 CAPLUS

DN 81:93089

TI Fluorescent whitener

IN Watanabe, Tetsuo; Fujii, Fumio

PA Mitsui Toatsu Chemicals, Inc.

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	JP 49030416	A2	19740318	JP 1972-72099	19720720
PRAI	JP 1972-72099	Α	19720720		
	E00E1 04 ED				

IT 52371-94-5P

RN 52371-94-5 CAPLUS

CN Benzenesulfonic acid, 5-[[4-(2,6-dimethyl-4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-[2-[4-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]- (9CI) (CA INDEX NAME)

PAGE 1-B

$$-N$$

L4 ANSWER 697 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1974:486551 CAPLUS

DN 81:86551

TI Toxicologic studies of four fluorescent whitening agents

10/519,031

AU Keplinger, M. L.; Fancher, Otis E.; Lyman, Frank L.; Calandra, J. C.

CS Ind. BIO-TEST Lab. Inc., Northbrook, IL, USA

SO Toxicology and Applied Pharmacology (1974), 27(3), 494-506 CODEN: TXAPA9; ISSN: 0041-008X

DT Journal

LA English

IT 13863-31-5 16090-02-1

RL: BIOL (Biological study)
 (toxicol. of)

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

•2 Na

PAGE 1-B

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RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 698 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1974:465244 CAPLUS

DN 81:65244

TI Bis(triazinylaminostilbene) fluorescent whiteners

IN Saidac, Serban; Grosz, Paul; Domide, Aneta; Dinca, Viorica; Badoi, Letitia

PA Fabrica Chimica "Sintofarm"

SO Rom., 3 pp.

CODEN: RUXXA3

DT Patent

LA Romanian

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	RO 55730	В	19740103	RO 1970-65218	19701207
DDAT	DO 1970-65218	Δ	19701207		

IT 21162-88-9P 24231-46-7P

RL: IMF (Industrial manufacture); PREP (Preparation)
 (preparation of)

RN 21162-88-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 24231-46-7 CAPLUS

L4

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

AN 1974:427215 CAPLUS

DN 81:27215

TI Fluorescent whitening agents

IN Watanabe, Tetsuo; Fujii, Fumio; Ohtaki, Eiichi

PA Mitsui Toatsu Chemicals, Inc.

SO Jpn. Kokai Tokkyo Koho, 3 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
		-			
ΡI	JP 49005129	A2	19740117	JP 1972-43698	19720504
PRAI	JP 1972-43698	Α	19720504		

IT 51839-45-3P

RL: IMF (Industrial manufacture); PREP (Preparation)
 (preparation of)

RN 51839-45-3 CAPLUS

CN Benzenesulfonic acid, 5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-[2-[4-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 700 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1974:134945 CAPLUS

DN 80:134945

TI Dispersible fluorescent whiteners

IN Kreidl, Zdenek; Pirkl, Jaromir; Gutwirth, Karel

SO Czech., 3 pp. CODEN: CZXXA9

DT Patent

LA Czech

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI CS 150420	В	19730904	CS 1971-4097	19710604
DD 97667	Z	19730514	DD 1972-163399	19720602
PRAI CS 1971-4097	Α	19710604		
16000 00 1				

IT 16090-02-1

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(containing arenesulfonates, for improved dispersibility)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

IT 35271-08-0

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(containing disodium oxybis(benzenesulfonate) monoalkyl derivative, for improved dispersibility)

RN 35271-08-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, dipotassium salt (9CI) (CA INDEX NAME)

●2 K

L4 ANSWER 701 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1974:134941 CAPLUS

DN 80:134941

TI Stable aqueous dispersion of a bis(triazinylamine)stilbene fluorescent whitener

IN Nakahara, Michito; Fujii, Fumio; Kurahara, Koji; Watanabe, Tetsuo; Takahoso, Shigashi

PA Mitsui Toatsu Chemicals, Inc.

SO Jpn. Kokai Tokkyo Koho, 7 pp. CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	JP 48090324	A2	19731126	JP 1972-22291	19720306
PRAI	JP 1972-22291	Α	19720306		
ΙT	16090-02-1				
	RL: USES (Uses)				

 $(\beta$ -form, aqueous dispersions of, stabilization of)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 702 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1974:122422 CAPLUS

DN 80:122422

TI Modifying bis(triazinylamino)stilbene derivatives

IN Hayakawa, Ginshichiroh; Munenori, Yoshiaki; Samejima, Makoto; Takeuchi, Masao

PA Nisso Chemical Industries, Ltd.

SO Jpn. Tokkyo Koho, 3 pp. CODEN: JAXXAD

DT Patent

LA Japanese

FAN.CNT 1

IM.	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI PRAI	JP 48032410 JP 1970-8135	B4	19731005 19700131	JP 1970-8135	19700131
IT	24231-46-7			•	
	RL: PROC (Process)				
	(decolorization	of)			
RN	24231-46-7 CAPLUS				

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 703 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1974:122421 CAPLUS

DN 80:122421

TI (Triazinylamino)benzaldehyde azine fluorescent whiteners

PA Albright and Wilson (Australia) Ltd.

SO Brit., 13 pp. CODEN: BRXXAA

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PΙ	GB 1335847	Α	19731031	GB 1970-50081	19701021

PRAI AU 1969-62934 A 19691028

IT 51367-04-5P 51461-28-0P

RL: IMF (Industrial manufacture); PREP (Preparation)
 (preparation of)

RN 51367-04-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, mixt. with 4-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzaldehyde [[4-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]phenyl]methylene]hyd razone (9CI) (CA INDEX NAME)

CM 1

CRN 51347-11-6 CMF C40 H40 N14 O2

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CM 2

CRN 24231-46-7 CMF C40 H40 N12 O8 S2

RN 51461-28-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, compd. with 4-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]benzaldehyde
[[4-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2yl]amino]phenyl]methylene]hydrazone (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 51347-11-6 CMF C40 H40 N14 O2

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$$-N$$

CM 2

CRN 24231-46-7

CMF C40 H40 N12 O8 S2

L4 ANSWER 704 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1974:99975 CAPLUS

DN 80:99975

TI Purification of industrial waste waters

IN Wegmueller, Hans; Haase, Jaroslav

PA Ciba-Geigy A.-G.

SO Ger. Offen., 46 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 3

1111	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 2321627	A1	19731122	DE 1973-2321627	19730428
	CH 566942	Α	19750930	CH 1972-7012	19720510
	ZA 7302982	Α	19740424	ZA 1973-2982	19730502
	CA 1007771	A1	19770329	CA 1973-170510	19730507
	BE 799311	A1	19731109	BE 1973-130925	19730509
	FR 2184030	A1	19731221	FR 1973-16786	19730509
	GB 1424878	Α	19760211	GB 1973-22190	19730509
	NL 7306549	Α	19731113	NL 1973-6549	19730510
	JP 49049459	A2	19740514	JP 1973-52073	19730510
	SU 554806	D	19770415	SU 1973-1919493	19730510
	US 4025428	Α	19770524	US 1975-575279	19750507
	US 3979285	Α	19760907	US 1975-582021	19750529
	US 4026796	Α	19770531	US 1976-690804	19760527
PRA	I CH 1972-7012	Α	19720510		

US 1973-356853 A3 19730503 US 1975-582021 A3 19750529

IT 13863-31-5

RL: REM (Removal or disposal); PROC (Process)

(removal of, from waste water, cellulose filter containing aminoplasts for)

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

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L4 ANSWER 705 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1974:61413 CAPLUS

DN 80:61413

TI Fluorescent whitener-containing tablets for detergents

IN Mallmann, Matthias; Bero, Markus; Jung, Dieter

PA Henkel und Cie. G.m.b.H.

SO Ger. Offen., 18 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	O. KIND DATE		APPLICATION NO.	DATE	
ΡI	DE 2221300	A1	19731115	DE 1972-2221300	19720429	

IT 982794	Α	19741021	IT 1973-23164	19730419
FR 2183057	A1	19731214	FR 1973-15326	19730427
PRAT DE 1972-2221300	Α.	19720429		

IT 24231-46-7

RL: USES (Uses)

(fluorescent brighteners, tablets containing, for use with detergents)

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 706 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1974:49273 CAPLUS

DN 80:49273

TI Beta crystals of bis(triazinylamino)stilbene fluorescent whitener

IN Koga, Toshihiro; Fujii, Fumio; Kurahara, Koji; Najara, Michito; Takahoso, Sagashi

PA Mitsui Toatsu Chemicals, Inc.

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

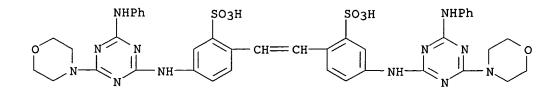
DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 48054126	A2	19730730	JP 1971-89116	19711110
PRAI IT	JP 1971-89116 16090-02-1	Α	19711110	•	
	RL: USES (Uses)				
Div	(β-form)				
RN	16090-02-1 CAPLUS				

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)



●2 Na

L4 ANSWER 707 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1974:42526 CAPLUS

DN 80:42526

10/519,031

TI Cathode luminescence of organic compounds

AU De Mets, M.; Lagasse, A.

CS Lab. Elektronenmicrosc., Rijksuniv. Gent., Ghent, Belg.

SO Farmaceutisch Tijdschrift voor Belgie (1973), 50(4), 386-93 CODEN: FMTBB2; ISSN: 0771-2367

DT Journal

LA Dutch

IT 16090-02-1

RL: PRP (Properties)

(cathodoluminescence of)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 708 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1974:38392 CAPLUS

DN 80:38392

TI Stable fluorescent whitening agent dispersions

IN Wakizaka, Yoshifumi; Sawaki, Kenji; Yoshikawa, Motohiko

PA Nippon Kayaku Co., Ltd.

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN. CNT 1

ran.	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	JP 48073429	A2	19731003	JP 1972-3342	19711229
	JP 52006299	B4	19770221		
PRAI	JP 1972-3342	Α	19711229		
IT	24019-80-5				
	RL: USES (Uses)				
	(β-form, aqueous	disper	rsions of)		
		-			

RN 24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B



ANSWER 709 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L41973:537935 CAPLUS AN DN 79:137935 ΤI M-Aminobenzaldehyde 2-carboxylphenylhydrazone derivatives IN Iida, Hirotada; Ikeda, Yoshikazo; Ishihara, Takeshi PA . Agency of Industrial Sciences and Technology Jpn. Tokkyo Koho, 5 pp. SO CODEN: JAXXAD DTPatent LΑ Japanese FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO.

(preparation of) RN 42446-32-2 CAPLUS

CN Benzoic acid, 2,2'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[(2-hydroxyethyl)amino]-1,3,5-triazine-4,2-diyl]imino-3,1-phenylenemethylidyne-1-hydrazinyl-2-ylidene]]bis-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

DATE

19690301

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ANSWER 710 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
AN
     1973:527576 CAPLUS
DN
     79:127576
ΤI
     Detergents containing fluorescent whiteners
IN
     Yamakawa, Yoshio; Suda, Minoru
PA
     Sumitomo Chemical Co., Ltd.
     Jpn. Tokkyo Koho, 9 pp.
SO
     CODEN: JAXXAD
DT
     Patent
LА
     Japanese
FAN.CNT 1
     PATENT NO.
                         KIND
                                DATE
                                             APPLICATION NO.
PΙ
     JP 48003889
                          B4
                                19730203
                                             JP 1969-15703
IT
     43132-90-7 43132-91-8 43132-92-9
     43132-93-0
     RL: USES (Uses)
        (fluorescent brightener, for detergent compns.)
```

RN 43132-90-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-[(2-methylphenyl)amino]-1,3,5-triazin-2-yl]amino]-(9CI) (CA INDEX NAME)

PAGE 1-B

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RN 43132-91-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxypropyl)amino]-6-[(2-methylphenyl)amino]-1,3,5-triazin-2-yl]amino]-(9CI) (CA INDEX NAME)

PAGE 1-B

RN 43132-92-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-[(2-methylphenyl)amino]-1,3,5-triazin-2-yl]amino]-(9CI) (CA INDEX NAME)

PAGE 1-B

RN 43132-93-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-[(2-methylphenyl)amino]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

L4 ANSWER 711 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1973:506151 CAPLUS

DN 79:106151

TI β -crystals of stilbene fluorescent whitening agents

IN Matsuo, Masatoshi; Sakaguchi, Tadao

PA Sumitomo Chemical Co., Ltd.

SO Jpn. Kokai Tokkyo Koho, 4 pp. CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
					
PI	JP 48028033	A2	19730413	JP 1971-61725	19710814
	JP 54039412	B4	19791128		
PRAI	JP 1971-61725	Α	19710814		
IT	24019-80-5 42487-05	-8 4248	7-06-9		
	RL: USES (Uses)				
	(β-form)				
RN	24019-80-5 CAPLUS				
CN	Benzenesulfonic aci	d, 2,2'	-(1,2-ethene	diyl)bis[5-[[4-[(2-	
	methylphenyl)amino]	-6-(4-m	orpholinyl)-	1,3,5-triazin-2-yl]amin	o]-, disodium
	salt (9CI) (CA IND	ex name)		

●2 Na

PAGE 1-B

RN 42487-05-8 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, dipotassium salt (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

RN 42487-06-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(4-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, dipotassium salt (9CI) (CA INDEX NAME)

●2 K

PAGE 1-B

L4 ANSWER 712 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1973:506148 CAPLUS

DN 79:106148

TI Improving the quality of sodium 4,4'-bis(2-anilino-4-morpholino-1,3,5-triazin-6-ylamino)stilbene-2,2'-disulfonate

IN Hayakawa, Ginshichiro; Sotoku, Yoshiaki; Samejima, Makoto; Takeuchi, Masao

PA Nisso Chemical Industries, Ltd.

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 48025028	A2	19730402	JP 1971-58254	19710804
PRAI JP 1971-58254	Α	19710804		
TM 16000 00 1		•		

IT 16090-02-1

RL: USES (Uses)

(quality improvement of)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 713 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1973:506147 CAPLUS

DN 79:106147

TI Fluorescent whiteners for detergents

IN Fringeli, Werner

PA Ciba-Geigy A.-G.

SO Ger. Offen., 19 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN. CNT 1

r Au.	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 2262028	A1	19730705	DE 1972-2262028	19721219
	DE 2262028	C2	19831201		
	CH 557874	A	19750115	CH 1971-18965	19711227
	NL 7217021	Α	19730629	NL 1972-17021	19721214
	FR 2167042	A 5	19730817	FR 1972-44620	19721214
	AU 7250093	A 1	19740620	AU 1972-50093	19721214
	GB 1384458	A	19750219	GB 1972-58046	19721215
	US 3895009	A	19750715	US 1972-316154	19721218
	CA 991176	A1	19760615	CA 1972-159213	19721218
	IT 974258	A	19740620	IT 1972-54960	19721222
	JP 48075882	A2	19731012	JP 1972-129475	19721225
	ES 410028	A 1	19760316	ES 1972-410028	19721226
	BE 793315	A1	19730627	BE 1972-125809	19721227
	SU 571190	. D	19770830	SU 1974-2038428	19740627
PRAI	CH 1971-18965	A	19711227		
	CH 1972-15674	Α	.19721026		

IT 49795-79-1

RL: USES (Uses)

(in detergents for cotton)

RN · 49795-79-1 CAPLUS

CN Benzenesulfonic acid, 5-[[4-(butylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-[2-[4-[[4-(2,6-dimethyl-4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

IT 42222-27-5P

RL: IMF (Industrial manufacture); PREP (Preparation)
 (preparation of)

RN 42222-27-5 CAPLUS

CN Benzenesulfonic acid, 5-[[4-(ethylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-[2-[4-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 714 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1973:474459 CAPLUS

DN 79:74459

TI Fluorescent whitening agents. Tests for skin-sensitizing potential

AU Griffith, John F.

CS Procter and Gamble Co., Cincinnati, OH, USA

SO Archives of Dermatology (1973), 107(5), 728-33 CODEN: ARDEAC; ISSN: 0003-987X

DT Journal

LA English

IT 3271-19-0 13863-31-5 17958-73-5

49596-32-9

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)

(skin sensitivity to)

RN 3271-19-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methoxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

10/519,031

PAGE 1-A

●2 Na

PAGE 1-B

 \sim NH-CH₂-CH₂-OMe

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

NH-СH2-СH2-ОН

RN 49596-32-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(4-methoxyphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-B

IT 4193-55-9 16090-02-1 24565-13-7

32694-95-4

RL: BIOL (Biological study)

(skin sensitivity to, as fluorescent brightener)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

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RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

RN 24565-13-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(ethylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 32694-95-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

L4 ANSWER 715 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1973:467827 CAPLUS

DN 79:67827

TI β -Crystals bistriazinylaminostilbene derivatives

IN Yamane, Akinori; Yamakawa, Kichio; Matsuo, Masatoshi

PA Sumitomo Chemical Co., Ltd.

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PAIN CIVI I				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 48028030	A2	19730413	JP 1971-61839	19710813
JP 51015537	B4	19760518		
PRAI JP 1971-61839	Α	19710813		

IT 16090-02-1

RL: USES (Uses)

(β-crystal form)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 716 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1973:467825 CAPLUS

DN 79:67825

TI Bis(S-trazinylamino)stilbene fluorescent whiteners

IN Ackermann, Hans; Creutzburg, Gerhard

PA Ciba-Geigy Corp.

SO U.S., 8 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

PATENT NO	KIND	DATE	APPLICATION NO.	DATE
PI US 3723425	Α	19730327	US 1970-80484	19701013
PRAI US 1970-80484	Α	19701013		•

IT 33899-54-6P

RL: IMF (Industrial manufacture); PREP (Preparation)
 (preparation of)

RN 33899-54-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(cyanoamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, tetrasodium salt (9CI) (CA INDEX NAME)

•4 Na

L4 AN DN TI IN PA SO DT LA FAN.	AN 1973:432860 CAPLUS DN 79:32860 TI Fluorescent whitening agents for paper IN Matsuo, Masashi; Sakaguchi, Tadao; Minami, Iwao PA Sumitomo Chemical Co., Ltd. SO Jpn. Kokai Tokkyo Koho, 5 pp. CODEN: JKXXAF DT Patent LA Japanese						
2.2	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
PI	JP 48011402	B4		JP 1971-47809	19710629		
L4 AN DN TI IN PA SO DT LA	ANSWER 718 OF 904 1973:407183 CAPLUS 79:7183 Liquid laundry dete Lancz, Albert Jay Colgate-Palmolive C U.S., 3 pp. CODEN: USXXAM Patent English CNT 2	rgents	COPYRIGHT 2	006 ACS on STN			
rau.	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
PI	US 3726814 ZA 7200922 FR 2130106 FR 2130106 DE 2209200 DE 2209200 BE 780048 CH 571061 AT 7201708 DK 143411 DK 143411 IT 961281 GB 1380107 ES 400498 SE 394290 FI 55350	A A A5 B1 A B2 A1 A A B C A A1 B		US 1971-124601 ZA 1972-922 FR 1972-6433 DE 1972-2209200 BE 1972-114547 CH 1972-2997 AT 1972-1708 DK 1972-1018 IT 1972-48794 GB 1972-10320 ES 1972-400498 SE 1972-2971 FI 1972-644	19710315 19720214 19720225 19720226 19720301 19720301 19720303 19720306 19720306 19720307 19720309 19720309		

FI 55350	В	19790330		
CA 973310	A 1	19750826	CA 1972-137063	19720314
NO 144243	В	19810413	NO 1972-812	19720314
NO 144243	C	19810722		
NL 7203455	Α	19720919	NL 1972-3455	19720315
NL 179830	В	19860616		
PRAI US 1971-124601	Α	19710315		•
TT 3224-72-4 16000-02-	_ 1			

IT 3224-72-4 16090-02-1

RL: USES (Uses)

(fluorescent brighteners, detergents containing)

RN 3224-72-4 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-CN methoxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Na

PAGE 1-B

$$\sim$$
 NH- (CH₂)₃-OMe

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) NAME)

2 Na

L4ANSWER 719 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

1973:137926 CAPLUS ΑN

DN 78:137926

TI Decomposition of fluorescent brightening agents of bis(triazinylamino)stilbenes. II. Decomposition of stilbene fluorescent brightening agents by the action of active chlorine

10/519,031

ΑU Matsuo, Masatoshi; Izume, Harumi

CS Sumitomo Chem. Co., Osaka, Japan

SO Nippon Kagaku Kaishi (1973), (2), 343-7 CODEN: NKAKB8; ISSN: 0369-4577

DΤ Journal

LΑ Japanese

16090-02-1 20579-01-5 24019-80-5 IT

RL: RCT (Reactant); RACT (Reactant or reagent)

(decomposition of, by chlorine, spectra in relation to)

RN16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX

●2 Na

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B



L4 ANSWER 720 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1973:99396 CAPLUS

DN 78:99396

TI Pigmented coating compositions

IN Kenyon, Ronald Wynford; Keats, George Harold; Hinton, Anthony John; Clarke, Warwick Kingston

PA Imperial Chemical Industries Ltd.

SO Ger. Offen., 17 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

T 7 M 1 .	O11 1, 1				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
			-		
ΡI	DE 2229872	Α	19721221	DE 1972-2229872	19720619
	GB 1391593	Α	19750423	GB 1971-28465	19720530
	ZA 7203838	Α	19730328	ZA 1972-3838	19720605
	BE 784608	. A1	19721208	BE 1972-118462	19720608
	NL 7208172	Ā	19721219	NL 1972-8172	19720615
	FR 2142054	A 1	19730126	FR 1972-21908	19720616
	FR 2142054	B1	19771223		
	IT 959841	Α	19731110	IT 1972-25858	19720617
PRAI	GB 1971-28465	A `	19710617		
TITT	16000 02 1				

IT 16090-02-1

RL: USES (Uses)

(coatings, containing polyalkylene glycols and vinyl compound polymers, on paper)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-' (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

L4 ANSWER 721 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1973:98971 CAPLUS

DN 78:98971

TI Concentrated, liquid, low-salt dyes and fluorescent whiteners

IN Abrahart, Edward Noah; Bolliger, Hans Rudolf

PA Ciba-Geigy A.-G.

SO Ger. Offen., 28 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
					-
PI.	DE 2204725	A1	19730118	DE 1972-2204725	19720201
	DE 2204725	B2	19740207		
	BE 778777	A 1	19720801	BE 1972-113467	19720201
	FR 2124359	A 5	19720922	FR 1972-3348	19720201
	FR 2124359	B1 .	19770401		
	IT 949703	Α	19730611	IT 1972-48066	19720201
	GB 1359898	Α	19740717	GB 1972-4729	19720201
	ES 399369	A 1	19750601	ES 1972-399369	19720201
PRAI	СН 1971-1535	Α	19710202		
TM	120C2 21 ED 24ECE 1	2 7 2 2			

IT 13863-31-5P 24565-13-7P

RL: IMF (Industrial manufacture); PREP (Preparation)

(low-salt stable concentrated solns. of, manufacture of, by ${\tt ultracentrifugation}$

through polymeric membranes)

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

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RN 24565-13-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(ethylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 722 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1973:85941 CAPLUS

DN 78:85941

TI (Triazinylamino)stilbene compounds as fluorescent whiteners

PA CIBA-Geigy A.-G.

SO Brit., 7 pp. CODEN: BRXXAA

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	GB 1293804		19721025		19691030
PRAI	US 1968-772087		19681031		

IT 4193-55-9

RL: USES (Uses)

(α-form)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

•2 Na

PAGE 1-B

-- cн₂-- он

L4 ANSWER 723 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1973:73610 CAPLUS

DN 78:73610

TI Heliofors, Polish fluorescent whitening agents

AU Zychowicz, Jadwiga

CS Zakl. Chem., Bydgoszcz, Pol.

SO Przeglad Wlokienniczy (1972), 26(10), 596-600 CODEN: PRZWAZ; ISSN: 0033-2410

DT Journal

LA Polish

IT 16090-02-1

RL: USES (Uses)

(properties and uses of)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX

NAME)

●2 Na

L4ANSWER 724 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

1973:59747 CAPLUS AN

78:59747 DN

ΤI Prevention of yellowing of fluorescent whitener-treated polyamide fibers

IN Nakanishi, Morinosuke; Kajino, Kei; Morita, Kazuo

PA Kanebo Co., Ltd.

Jpn. Tokkyo Koho, 5 pp. so

CODEN: JAXXAD

DT Patent

LΑ Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	JP 47030749	В4	19720809	JP 1968-90360	19681210
TΤ	31449-69-1				

RL: USES (Uses)

(polyamide fibers brightened by, discoloration prevention of, by trisubstituted phosphines)

RN31449-69-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

∠ NH− CH2− CH2− OH

L4 ANSWER 725 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

1973:31844 CAPLUS ΑN

DN 78:31844

TI Bleaching detergents containing bleach activators and fluorescent whiteners

IN Bloching, Helmut

PA Henkel und Cie. G.m.b.H.

SO Ger. Offen., 38 pp.

CODEN: GWXXBX Patent

LA German

FAN.CNT 1

DT

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2120202	Α	19721102	DE 1971-2120202	19710426
PRAI	DE 1971-2120202		19710426		

PRAI DE 1971-2120202 IT 24231-46-7 35632-99-6

RL: USES (Uses)

(fluorescent brighteners, for detergents, color stability of crystalline)

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 726 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1973:31400 CAPLUS

DN 78:31400

TI Fluorescent whitening agents. V. Fluorescence and photostability of aqueous solutions of asymmetrically substituted derivatives of sodium 4,4'-diaminostilbene-2,2'-disulfonate

AU Yamashita, Yoshio

CS Dep. Chem., Kochi Univ., Kochi, Japan

SO Yuki Gosei Kagaku Kyokaishi (1972), 30(9), 818-22 CODEN: YGKKAE; ISSN: 0037-9980

DT Journal

LA Japanese

IT 17958-73-5

RL: PRP (Properties)

(spectrum of, irradiation effect on)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

PAGE 1-B

 \sim NH- CH $_2-$ CH $_2-$ OH

L4 ANSWER 727 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1973:22515 CAPLUS

DN 78:22515

TI Green-sensitized photographic emulsions for flash exposures

IN Shiba, Keisuke; Kubodera, Seiiti

PA Fuji Photo Film Co., Ltd.

SO Ger. Offen., 44 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

FAN. CNT I				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 2202498	Α	19720803	DE 1972-2202498	19720119
JP 52025732	B4	19770709	JP 1971-1320	19710119
GB 1389081	Α	19750403	GB 1972-2664	19720119
CA 971801	A1	19750729	CA 1972-132741	19720119
US 3969116	Α	19760713	US 1974-525036	19741118
PRAI JP 1971-1320	Α	19710119		
US 1972-219047	A1	19720119	•	
IT 4193-55-9				
DT 11000 (11				

RL: USES (Uses)

(photographic supersenitizers from cyanine dyes and, for green-sensitized flash-exposed emulsions)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

-сн $_2$ -он

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ANSWER 728 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
     1973:18078 CAPLUS
AN
DN
     78:18078
TI
     Detergents containing fluorescent whiteners and bleaching activators
IN
     Bloching, Helmut
     Henkel und Cie. G.m.b.H.
PA
     Ger. Offen., 25 pp.
SO
     CODEN: GWXXBX
DT
     Patent
LA
     German
FAN.CNT 1
     PATENT NO.
                         KIND
                                DATE
                                            APPLICATION NO.
                                                                     DATE
PΙ
     DE 2110996
                                19720921
                          Α
                                            DE 1971-2110996
                                                                     19710308
PRAI DE 1971-2110996
                                 19710308
     16090-02-1 31900-04-6
ΙT
```

and)
RN 16090-02-1 CAPLUS

RL: USES (Uses)

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

(fluorescent brighteners, detergent compns. containing sodium perborate

●2 Na

RN 31900-04-6 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-CN (phenylamino) -1, 3, 5-triazin-2-yl]amino]-, disodium salt (9CI) NAME)

Na

L4ANSWER 729 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

1973:18077 CAPLUS AN

78:18077 DN

TIDetergents containing fluorescent whiteners and bleaching activators

IN Bloching, Helmut

Henkel und Cie. G.m.b.H. PA

SO Ger. Offen., 26 pp.

CODEN: GWXXBX

DT Patent

L

LA (German NT 1				
I	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	DE 2110995 DE 1971-2110995	Α	19720921 19710308	DE 1971-2110995	19710308
	16090-02-1 31900-04	-6			•
ŀ	RL: USES (Uses) (fluorescent bri	ghtener	s, detergent	compns. containing	sodium perchlorate

RN16090-02-1 CAPLUS

and)

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 730 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1973:18076 CAPLUS

DN 78:18076

TI Stable clear liquid detergent

IN Lancz, Albert Jay

PA Colgate-Palmolive Co.

SO Ger. Offen., 16 pp. CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
				
DE 2209200 .	Α	19720921	DE 1972-2209200	19720226
DE 2209200	B2	19810122		
US 3726814	Α	19730410	US 1971-124601	19710315
US 1971-124601	Α	19710315		
	DE 2209200 . DE 2209200 US 3726814	DE 2209200 . A DE 2209200 B2 US 3726814 A	DE 2209200 . A 19720921 DE 2209200 B2 19810122 US 3726814 A 19730410	DE 2209200 A 19720921 DE 1972-2209200 DE 2209200 B2 19810122 US 3726814 A 19730410 US 1971-124601

L4 ANSWER 731 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1973:17595 CAPLUS

DN 78:17595

TI Decomposition of fluorescent whitening agents of bis(triazinylamino)stilbene series. I. Photodegradation of disodium 4,4-bis(1,3,5-triazin-2-ylamino)stilbene-2,2'-disulfonate derivatives

AU Matsuo, Masatoshi; Sakaguchi, Tadao

CS Sumitomo Chem. Co., Osaka, Japan

SO Nippon Kagaku Kaishi (1972), (10), 1994-6 CODEN: NKAKB8; ISSN: 0369-4577

DT Journal

10/519,031

LA Japanese

IT 16090-02-1 20579-01-5 24019-80-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(photodegradation of)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

RN 24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)



L4 ANSWER 732 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1973:5719 CAPLUS

DN 78:5719

TI Detergent composition containing bis(triazinylamino)stilbenedisulfonate fluorescent brightener for white and colored fabrics

IN Weber, Rudolf; Arends, Dietrich

PA Henkel und Cie. G.m.b.H.

SO Ger. Offen., 20 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

111110111 1			•	
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 2104975	Α	19720914	DE 1971-2104975	19710203
PRAI DE 1971-2104975		19710203		
TT 16000_02_1				

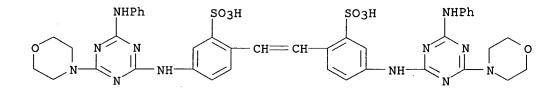
IT 16090-02-1

RL: USES (Uses)

(fluorescent brighteners, fatty acid-containing, for colored and white fabrics)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)



●2 Na

L4 ANSWER 733 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1973:5360 CAPLUS

DN 78:5360

TI 4,4'-Bis(1,3,5-triazin-6-ylamino)stilbene-2,2'-disulfonates as fluorescent whitening agents for cotton

IN Bloching, Helmut

PA Henkel und Cie. G.m.b.H.

SO Ger. Offen., 25 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI DE 2064703 A 19720727 DE 1970-2064703 19701231 PRAI DE 1970-2064703 19701231

PRAI DE 1970-2064703 IT 16090-02-1 24565-13-7

RL: USES (Uses)

(fluorescent brighteners, containing disodium [(morpholinoanilinotriazinyl) amino]stilbenedisulfonate, for cotton, in presence of detergents)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 24565-13-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(ethylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 734 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1973:571 CAPLUS

DN 78:571

TI Genetic activity of fluorescent whitening agents in yeast

AU Leuthold, U.

CS Agric. Chem. Div., CIBA-Geigy Ltd., Basel, Switz.

SO Tenside Detergents (1972), 9(5), 235-40 CODEN: TSDTAZ; ISSN: 0040-3490

DT Journal

LA English

IT 16090-02-1

RL: PRP (Properties)

(mutagenic activity in relation to, in yeast)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 735 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:541494 CAPLUS

DN 77:141494

TI Fluorescent whiteners

IN Suzusho, Hiroshi; Mizuno, Sadao; Kajino, Katsura

KIND

PA Kanegafuchi Spinning Co., Ltd.

SO Jpn. Tokkyo Koho, 5 pp.

CODEN: JAXXAD

PATENT NO.

DT Patent

LA Japanese

FAN.CNT 1

PΙ	JP 47004743	B4	19720209	JP 1968-60785	19680824
IT	38880-29-4P				
	RL: IMF (Industrial	manufa	cture); PREP	(Preparation)	
	(preparation of)				
RN	38880-29-4 CAPLUS				

APPLICATION NO.

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(phenylamino)-6-[(2-phosphonoethyl)amino]-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

DATE

PAGE 1-B

DATE

ANSWER 736 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:541493 CAPLUS

DN 77:141493

ΤI Fluorescent whiteners

IN Nakanishi, Morinosuke; Sato, Kenzo; Nomi, Kazunori

PA Kanegafuchi Spinning Co., Ltd.

Jpn. Tokkyo Koho, 5 pp. SO

CODEN: JAXXAD

DT Patent

LΑ Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PΙ	JP 47004742	В4	19720209	JP 1968-60783	19680824
TΤ	32896-29-0P				

RL: IMF (Industrial manufacture); PREP (Preparation) (preparation of)

RN 32896-29-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(phenylamino)-6-[[3-(phosphonooxy)propyl]amino]-1,3,5-triazin-2-yl]amino]-, hexasodium salt (9CI) (CA INDEX NAME)

●6 Na

PAGE 1-B

L4ANSWER 737 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:516390 CAPLUS

DN 77:116390

TI Detergent composition for cotton textiles

IN Bloching, Helmut

PΑ Henkel und Cie. G.m.b.H.

so Ger. Offen., 26 pp. Addn. to Ger. offen. 1,953,519 (CA 75;152894f). CODEN: GWXXBX

DTPatent

LΑ German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2061863	Α	19720622	DE 1970-2061863	19701216
PRAI	DE 1970-2061863		19701216	•	
IT	3271-19-0				
	RL: USES (Uses)				
	(fluorescent bri	ghtener	s, in deterg	ents, for cotton)	
RN	3271-19-0 CAPLUS				
CN				diyl)bis[5-[[4-[(2- 3,5-triazin-2-yl]amino]	-, disodium

2 Na

PAGE 1-B

NH− CH2− CH2− OMe

L4 ANSWER 738 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:516389 CAPLUS

DN 77:116389

TI Detergent composition for cotton textiles

salt (9CI) (CA INDEX NAME)

IN Bloching, Helmut

PA Henkel und Cie. G.m.b.H.

SO Ger. Offen., 27 pp. Addn. to Ger. offen. 1,949,068 (CA 75;37823v). CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 2061862	Α	19720622	DE 1970-2061862	19701216
	IT 972068	Α	19740520	IT 1971-32371	19711214
	AT 320575	В	19750225	AT 1971-10766	19711215
	FR 2118114	A6	19720728	FR 1971-45204	19711216
	FR 2118114	B2	19740607		
PRAI	DE 1970-2061862	Α	19701216		
IT	16090-02-1 31900-04	1-6			
	DT . IIODO /II\				

RL: USES (Uses)

(fluorescent brighteners, in detergents, for cotton)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN31900-04-6 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) NAME)

●2 Na

L4 ANSWER 739 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:503589 CAPLUS

DN 77:103589

TI Clay-fluorescent whitener preparations for paper

IN Kissling, Bruno; Pummer, Helmut

Sandoz Ltd. PA

Patentschrift (Switz.), 8 pp. SO

disodium salt (9CI)

CODEN: SWXXAS

DT Patent

LA FAN.	German CNT 1			•	
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	CH 522082	A	19720430	CH 1969-522082	19690912
	US 3684728	Α	19720815	US 1970-71334	19700911
	GB 1294514	Α	19721101	GB 1970-1294514	19700911
PRAI	CH 1969-13802	Α	19690912	•	
	CH 1970-10733	Α	19700 7 15		•
IT	13863-31-5 27344-06	-5 3751	5-77-8		
	RL: USES (Uses)				
	(fluorescent bridge)	ghtener	s, containin	g kaolin and poly(amide	-amine), for
RN	13863-31-5 CAPLUS				
CN	Benzenesulfonic acid	d, 2,2'	-(1,2-ethene	diyl)bis[5-[[4-[(2-	
	hydroxyethyl) methyl	aminol-	6-(phenylami	no)-1,3,5-triazin-2-vll	amino]-,

(CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

— cн₂- он

RN 27344-06-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-amino-3-oxopropyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-B

____NHPh

RN 37515-77-8 · CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-amino-3-oxopropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

L4 ANSWER 740 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:503342 CAPLUS

DN 77:103342

TI Pure α -form sodium 4,4'-bis(4-anilino-6-morpholino-s-triazin-2-ylamino)-2,2'-stilbenedisulfonate

IN Pirkl, Jaromir

SO Czech., 2 pp. CODEN: CZXXA9

DT Patent

LA Czech

FAN.CNT 1

PATENT NO.

KIND DATE

APPLICATION NO.

DATE

PΙ CS 141937 19710715 CS 1969-1291 19690224

IT 16090-02-1

RL: USES (Uses)

 $(\alpha-form)$

RN 16090-02-1 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4ANSWER 741 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:503276 CAPLUS

77:103276 DN

ΤI Fluorescent whitening agents. IV. Photochemical reaction of an aqueous solution of sodium 4,4'-bis(2-anilino-4-monoethanolamino-1,3,5-triazin-6ylamino)-2,2'-stilbene disulfonate

AU Yamashita, Yoshio

CS Kochi Univ., Kochi, Japan

Yuki Gosei Kagaku Kyokaishi (1972), 30(5), 449-56 SO

CODEN: YGKKAE; ISSN: 0037-9980

DTJournal

Japanese LA

36168-82-8 IT

RL: RCT (Reactant); RACT (Reactant or reagent)

(photolysis of)

RN 36168-82-8 CAPLUS

CN Benzenedisulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt, (Z)-(9CI)(CA INDEX NAME)

Double bond geometry as shown.

PAGE 1-B

✓ OH

IT 17958-73-5

RL: RCT (Reactant); RACT (Reactant or reagent)
 (photolysis of, formation of cis-isomer by)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

NH-CH2-CH2-OH

L4 ANSWER 742 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:463807 CAPLUS

DN 77:63807

TI Liquid heavy-duty detergents

IN Sundby, Bjorn

PA Colgate-Palmolive Co.

SO Ger. Offen., 35 pp. CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2152141	Α	19720504	DE 1971-2152141	19711020
	DE 2152141	В2	19810312		

DE	2152141	C3	19820225			
ZA	7105801	Α	19730425	ZA	1971-5801	19710830
ES	394975	A 1	19741201	ES	1971-394975	19710910
AU	7133530	A1	19730322	ΑU	1971-33530	19710916
CA	951212	A1	19740716	· CA	1971-123254	19710920
DK	140262	С	19791210	DK	1971-4603	19710921
DK	140262	В	19790716			
BR	7106487	A0	19730102	BR	1971-6487	19710930
IT	942199	Α	19730320	ΙT	1971-53237	19711002
FR	2111248	A5	19720602	FR	1971-36565	19711012
GB	1366905	Α	19740918	GB	1971-47489	19711012
BE	774464	A1	19720214	ΒE	1971-109747	19711026
CH	571055	Α	19751231	CH	1971-15584	19711026
NO	140194	В	19790409	NO	1971-3971	19711027
NO	140194	С	19790718			
NL	7114896	Α	19720503	NL	1971-14896	19711028
NL	176869	В	19850116			
NL	176869	С	19850617			
SE	392730	В	19770418	SE	1971-13744	19711028
PRAI US	1970-84945	Α	19701028			

L4 ANSWER 743 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:441344 CAPLUS

DN 77:41344

TI Supersensitizing dyes for silver halide photographic emulsions

IN Shiba, Keisuke; Hinata, Masanao; Sato, Akira; Misu, Hiroshi

PA Fuji Photo Film Co., Ltd.

SO U.S., 13 pp. CODEN: USXXAM

DT Patent LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	US 3649288	Α	19720314	US 1970-56959	19700721
	JP 49025501	B4	19740701	JP 1969-57545	19690721
	BE 753689	Α	19701231	BE 1970-753689	19700720
	FR 2055343	A 5	19710507	FR 1970-26635	19700720
	GB 1312101	Α	19730404	GB 1970-35144	19700720
	CA 975604	A1	19751007	CA 1970-88559	19700720
PRAI	JP 1969-57545	Α	19690721		
TT	20570-01-5				

IT 20579-01-5

RL: USES (Uses)

(photog. supersensitizers from cyanine dyes containing ketomethylene nuclei and)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

L4 ANSWER 744 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:436242 CAPLUS

DN 77:36242

TI Fluorescent whiteners for fibers made of cellulose, and natural or synthetic polyamide

IN Reinert, Gerhart; Kleeman, Alois

PA Ciba-Geigy A.-G.

SO Ger. Offen., 22 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

ran.	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 2142647	Α	19720302	DE 1971-2142647	19710825
	DE 2142647	В2	19730607		•
	DE 2142647	С3	19740207		
	CH 7012751	A4	19750327	CH 1970-12751	19700826
	CH 566421	В	19750915		
	BE 771745	A1	19720225	BE 1971-107416	19710825
	NL 7111712	Α	19720229	NL 1971-11712	19710825
•	FR 2103527	A1	19720414	FR 1971-30881	19710825
	FR 2103527	A 5	19720414		
	AU 7132722	A 1	19730301	AU 1971-32722	19710825
	GB 1356820	Α	19740619	GB 1971-39931	19710825
	IL 37577	A 1	19741022	IL 1971-37577	19710825
	CA 962011	A1	19750204	CA 1971-121298	19710825
	AT 320576	В	19750225	AT 1971-7429	19710825
PRAI	CH 1970-12751	Α	19700826		•

IT 4193-55-9

RL: USES (Uses)

(fluorescent brighteners, for cellulosic fabrics, solvent mixts. for)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

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L4 ANSWER 745 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:421589 CAPLUS

DN 77:21589

TΙ Crystalline disodium salt of a stilbene fluorescent whitening agent

IN Pirkl, Jaromir

SO Czech., 2 pp. CODEN: CZXXA9

DTPatent

LА Czech

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI IT	CS 140262 16090-02-1P		19710215	CS 1968-3803	19680524
	RL: IMF (Industrial (preparation of)		cture); PREP	(Preparation)	
RN	16090-02-1 CAPLUS				
CN	Benzenesulfonic aci	d, 2,2'	-(1,2-ethene	diyl)bis[5-[[4-(4-morp	holinyl)-6-

(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

ANSWER 746 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

ΑN 1972:412261 CAPLUS

DN 77:12261

ΤI Fluorescent whiteners for photographic papers

ΑU Aleksandrov, I. V.; Zaidenberg, Ya. Z.; Nashchinskaya, N. A.; Passova, Z. Ya.; Samoilova, G. E.

CS Nauchno-Issled. Inst. Org. Poluprod. Krasitelei, Moscow, USSR

SO Zhurnal Nauchnoi i Prikladnoi Fotografii i Kinematografii (1972), 17(2), 81-8

CODEN: ZNPFAG; ISSN: 0044-4561

DTJournal

LA Russian

IT17958-73-5 36587-38-9 36587-39-0

RL: USES (Uses)

(fluorescent brightening agent, for photog. paper)

RN17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

NH-CH2-CH2-OH

RN 36587-38-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-[(4-methoxyphenyl)amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

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RN 36587-39-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-[(2-methoxyphenyl)amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

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L4 ANSWER 747 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:407713 CAPLUS

DN 77:7713

TI Detergents containing fluorescent whitening agents

IN Tanaka, Toshio; Inoue, Hideo

PA Nippon Kayaku Co., Ltd.

SO Jpn. Tokkyo Koho, 4 pp. CODEN: JAXXAD

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE
-----PI JP 46021717 B4 19710619 JP 1967-65415 19671013
IT 34372-32-2
RL: USES (Uses)

(fluorescent brighteners, detergents containing) RN 34372-32-2 CAPLUS

RN 34372-32-2 CAPLUS
CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

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L4ANSWER 748 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

ΑN 1972:407222 CAPLUS

DN 77:7222

ΤI Fluorescent whiteners for organic fibrous materials

PAGeigy, J. R., A.-G.

so Fr. Demande, 24 pp.

CODEN: FRXXBL

DTPatent

LА French

FAN.	CNT 1				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	FR 2067301	A1	19710820	FR 1970-40702	19701113
PRAI	CH 1969-16959	Α	19691114		
ΙT	34926-71-1				
	RL: USES (Uses)				•
	(fluorescent br	ightene	rs, for orga	nic fibrous materials)	
RN	34926-71-1 CAPLUS				
CN			• •	ediyl)bis[5-[[4-[bis(2-	

hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, compd. with 4,5-dihydro-2-octadecyl-1H-imidazole (1:2) (9CI) (CA INDEX NAME)

CM1

CRN 7347-31-1 CMF C21 H42 N2

$$\begin{array}{c}
\text{H} \\
\text{N} \\
\text{//} \\
\text{CH}_2)_{17} - \text{Me}
\end{array}$$

CM 2

CRN 4404-43-7

CMF C40 H44 N12 O10 S2

PAGE 1-B

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L4 ANSWER 749 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:127604 CAPLUS

DN 76:127604

TI Size changes of poly(vinylpyrrolidinone) in the adsorption of Blankophor ions (viscometry and light scattering)

AU Killmann, E.; Bittler, R.

CS Inst. Tech. Chem., Tech. Univ. Muenchen, Munich, Fed. Rep. Ger.

SO Angewandte Makromolekulare Chemie (1972), 21, 131-47 CODEN: ANMCBO; ISSN: 0003-3146

DT Journal

LA German

IT 4193-55-9

RL: USES (Uses)

(fluorescent brighteners, adsorption by vinylpyrrolidinone polymers, expansion in relation to)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

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L4 ANSWER 750 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:127603 CAPLUS

DN 76:127603

TI Light-scattering measurements of the polyelectrolyte system poly(vinylpyrrolidinone)-Blankophor

AU Killmann, E.; Bittler, R.

CS Inst. Tech. Chem., Tech. Univ. Muenchen, Munich, Fed. Rep. Ger.

SO Angewandte Makromolekulare Chemie (1972), 21, 113-29 CODEN: ANMCBO; ISSN: 0003-3146

DT Journal

LA German

IT 4193-55-9

RL: USES (Uses)

(fluorescent brighteners, adsorption of, on vinylpyrrolidinone polymers)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

•2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 751 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:114851 CAPLUS

DN 76:114851

TI Stilbene fluorescent whitening agent

IN Hayakawa, Ginshichiro; Sakai, Tokuhiko; Sotoku, Yoshiaki

PA Nisso Chemical Industries, Ltd.

SO Jpn. Tokkyo Koho, 3 pp.

CODEN: JAXXAD

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 46038423	B4	19711112	JР	19681217

IT 28202-35-9P

RL: IMF (Industrial manufacture); PREP (Preparation)
 (preparation of)

RN 28202-35-9 CAPLUS

CN Benzenesulfonic acid, 2-[2-[4-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]-5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

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L4 ANSWER 752 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:106427 CAPLUS

DN 76:106427

TI Direct-positive photographic silver halide emulsions containing cyanine dye sensitizers

IN Shiba, Keisuke; Hinata, Masanao; Ohi, Reiichi; Kondo, Tokiharu; Sato, Akira; Yamasue, Koutaro

PA Fuji Photo Film Co., Ltd.

SO Ger. Offen., 49 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

FAN.	CNT I				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DT	DD 0107246		10711000	DD 1071 0107046	10710600
ΡI	DE 2127346	Α	19711209	DE 1971-2127346	19710602
	DE 2127346	B2	19731031		
	DE 2127346	C3	19740530		
	JP 48042494	B4	19731213	JP 1970-47380	19700602
	FR 2097822	A5	19720303	FR 1971-19938	19710602
	CA 975606	A 1	19751007	CA 1971-114642	19710602
	US 3887380	Α	19750603	US 1973-390264	19730821
PRAI	JP 1970-47380	Α	19700602		
	BE 1971-104148	Α	19710602		
	CA 1971-114642	Α	19710602		
	DE 1971-2127346	Α	19710602		
	FR 1971-19938	Α	19710602		
	JP 1971-18670	A	19710602		
	US 1971-149272 .	A2	19710602		
T. CT	4100 55 0				

IT 4193-55-9

RL: USES (Uses)

(photographic supersensitizers from cyanine dyes and)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

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L4 ANSWER 753 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:101560 CAPLUS

DN 76:101560

TI Liquid laundry-softening detergents

IN Bruening, Juergen; Eckert, Hans W.; Heins, Arnold

PA Henkel und Cie. G.m.b.H.

SO Ger. Offen., 30 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

EMM.	CNII				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
			-		
PI	DE 2025945	A	19711216	DE 1970-2025945	19700527
	NL 7105920	Α	19711130	NL 1971-5920	19710429
	BE 767547	A 1	19711124	BE 1971-103763	19710524
	US 3729416	Α	19730424	US 1971-146515	19710524
	ES 391583	A1	19741116	ES 1971-391583	19710526
	AT 7104546	Α	19751215	· AT 1971-4546	19710526
	AT 331761	В	19760825		
	ZA 7103427	Α	19720126	ZA 1971-3427	19710527
	FR 2100691	A 5	19720324	FR 1971-19251	19710527
	FR 2100691	B1	19730608		
PRAI	DE 1970-2025945	Α	19700527		

L4 ANSWER 754 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:87178 CAPLUS

DN 76:87178

TI Stilbene fluorescent whitening agent

IN Hayakawa, Ginshichiro; Sotoku, Yoshiaki; Sakai, Toshihiko

PA Nisso Chemical Industries, Ltd.

SO Jpn. Tokkyo Koho, 3 pp.

CODEN: JAXXAD

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 46038422	В4	19711112	JP	19681202
IT	34372-32-2P				
	RL: IMF (Industrial	. manufa	acture); PREP	(Preparation)	
	(preparation of)				
RN	34372-32-2 CAPLUS				

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

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- L4 ANSWER 755 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1972:81124 CAPLUS
- DN 76:81124
- TI Antitumor activities of fluorescent whitening agents of the stilbene class
- AU Saito, Chiharu
- CS Pharm. Div., Sumitomo Chem. Co., Ltd., Takarazuka, Japan
- SO Oyo Yakuri (1970), 4(3), 521-4 CODEN: OYYAA2; ISSN: 0300-8533
- DT Journal
- LA Japanese
- IT 4193-55-9 17958-73-5

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(neoplasm inhibitor)

- RN 4193-55-9 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

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RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

 \sim NH- CH $_2-$ CH $_2-$ OH

L4 ANSWER 756 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:73767 CAPLUS

DN 76:73767

TI Fluorescent-whitening s-triazine derivatives

10/519,031

IN Ohtawa, Masaaki; Matsuo, Masatoshi; Sakaguchi, Tadao; Sato, Shozi; Momoi, Yoshikazu

PA Sumitomo Chemical Co., Ltd.

SO Brit., 13 pp. Division of Brit. 1,254,241. CODEN: BRXXAA

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PΙ	GB 1254242		19711117	GB 1971-571	19690121

IT 16090-02-1 35271-08-0

RL: USES (Uses)

(β-form)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 35271-08-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, dipotassium salt (9CI) (CA INDEX NAME)

●2 K

L4 ANSWER 757 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:73764 CAPLUS

DN 76:73764

TI 4,4'-Bis(4-anilino-6-morpholino-s-triazin-2-ylamino)-2,2'-stilbenedisulfonic acid fluorescent whitener

IN Tscharner, Christopher; Schwarz, Maurice; Pichler, Richard

PA Agripat S. A.

SO Ger. Offen., 25 pp. CODEN: GWXXBX

DT Patent

LA German

ran.CNI I				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 2117455	A	19711104	DE 1971-2117455	19710410
US 3716532	Α	19730213	US 1970-27587	19700413
NL 7104795	Α	19711015	NL 1971-4795	19710408
FR 2089425	A 5	19720107	FR 1971-12559	19710408
CA 973181	A1	19750819	CA 1971-110130 .	19710413
GB 1301429	Α	19721229	GB 1971-1301429	19710419
PRAI US 1970-27587	Α	19700413		•
IT 24231-46-7P				

24231-46-7P
RL: IMF (Industrial manufacture); PREP (Preparation)
(preparation of)

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 758 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:60909 CAPLUS

DN 76:60909

TI Fluorescent whitening agents. III. Fluorescence and photostability of aqueous solutions of N-substituted derivatives of sodium 4,4'-diamino-2,2'-stilbenedisulfonate

AU Yamashita, Yoshio

CS Kochi Univ., Kochi, Japan

SO Yuki Gosei Kagaku Kyokaishi (1971), 29(5), 519-25 CODEN: YGKKAE; ISSN: 0037-9980

DT Journal

LA Japanese

IT 4193-55-9 17958-73-5

RL: PRP (Properties)

(uv absorption and fluorescence spectrum of, irradiation effect on)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

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-сн $_2$ -он

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

 \sim NH- CH $_2-$ CH $_2-$ OH

L4 ANSWER 759 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:47630 CAPLUS

DN 76:47630

TI Textile-cleaning detergents containing a bactericide and a fluorescent

whitener

IN Bloching, Helmut; Bellinger, Horst

PA Henkel und Cie. G.m.b.H.

SO Ger. Offen., 24 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

1741	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 2015186	Α	19711021	DE 1970-2015186	19700328
	NL 7102522	Α	19710930	NL 1971-2522	19710225
	FR 2083641	A 5	19711217	FR 1971-10547	19710325
	FR 2083641	B1	19731228		
	BE 764911	A1	1 97 10927	BE 1971-101482	19710326
PRA	DE 1970-2015186	Α	19700328		

IT 3271-19-0 16090-02-1 31900-04-6

RL: USES (Uses)

(fluorescent brighteners, detergents containing, for textiles)

RN 3271-19-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methoxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

 \sim NH-CH₂-CH₂-OMe

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 31900-04-6 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) NAME)

2 Na

L4 ANSWER 760 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

1972:47629 CAPLUS AN

76:47629 DN

TI Textile-cleaning detergents containing a bactericide and a fluorescent

IN Bloching, Helmut; Bellinger, Horst

PA Henkel und Cie. G.m.b.H.

so Ger. Offen., 24 pp.

CODEN: GWXXBX

DT Patent

LА German

FAN.	CNT 1				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2015187	Α	19711021	DE 1970-2015187	19700328
	NL 7102523	Α	19710930	NL 1971-2523	19710225
	FR 2083642	A5 .	19711217	FR 1971-10548	19710325
	FR 2083642	B1	19731228		
	BE 764912	A1	19710927	BE 1971-101483	19710326
	GB 1306578	Α	19730214	GB 1971-25476	19710419
PRAI	DE 1970-2015187	Α	19700328		
IT	3271-19-0 16090-02-1	l 31900	-04-6		
	RL: USES (Uses)				

(fluorescent brighteners, for detergents for textiles)

RN 3271-19-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2methoxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

 \sim NH- CH $_2-$ CH $_2-$ OMe

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 761 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:47628 CAPLUS

DN 76:47628

10/519,031

TI Textile-cleaning detergents containing a bactericide and a fluorescent whitener

IN Bloching, Helmut; Bellinger, Horst

PA Henkel und Cie. G.m.b.H.

SO Ger. Offen., 24 pp. CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2015188 NL 7102521	A A	19711021 19710930	DE 1970-2015188 NL 1971-2521	19700328 19710225
•	FR 2087830	A 5	19711231	FR 1971-10549	19710325
	BE 764910 GB 1314665	A1 A	19710927 19730426	BE 1971-101481 GB 1971-25478	19710326 19710419
PRAI	DE 1970-2015188	Α	19700328		

IT 3271-19-0 16090-02-1 31900-04-6

RL: USES (Uses)

(fluorescent brighteners, for detergents for textiles)

RN 3271-19-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methoxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

 \sim NH- CH $_2-$ CH $_2-$ OMe

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 31900-04-6 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI)

2 Na

L4 ANSWER 762 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:42434 CAPLUS

DN 76:42434

TIPetite mutants induced in yeast by optical brighteners

ΑU

Gillberg, Bjorn O.; Aman, Jan Dep. Microbiol., R. Agric. Coll. Sweden, Uppsala, Swed. CS

SO Mutation Research (1971), 13(2), 149-54 CODEN: MUREAV; ISSN: 0027-5107

DT Journal

LΑ English

IT 16090-02-1

RL: BIOL (Biological study)

(mutations from, in Saccharomyces cerevisiae)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 763 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:35458 CAPLUS

DN 76:35458

TI Bleaching compositions containing a fluorescent whitener

PA Colgate-Palmolive Co.

SO Brit., 9 pp. CODEN: BRXXAA

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
					-
PI	GB 1241970		19710811	GB 1968-51195	19681029
	US 3706670		19721219	US	19701228
PRAI	US		19671031		

IT 16090-02-1

RL: USES (Uses)

(fluorescent whitening agents, bleaching compositions containing)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 764 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1972:29522 CAPLUS

DN 76:29522

TI Photographic silver halide emulsion for direct positive images

IN Shiba, Keisuke; Hinata, Masanao; Yamasue, Koutaro; Kondo, Tokiharu

PA Fuji Photo Film Co., Ltd.

SO Ger. Offen., 28 pp.

CODEN: GWXXBX

DT Patent

LA German

ENNI	CNITT	1
FAN	. CNT	- 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2113443	Α	19710930	DE 1971-2113443	19710319
	JP 48043132	B4	19731217	JP 1970-23343	19700319
	BE 764588	A1	19710816	BE 1971-101205	19710319
	FR 2084899	A5	19711217	FR 1971-9736	19710319
	US 3725074	Α	19730403	US 1971-125992	19710319
	CA 985557	A 1	19760316	CA 1971-108162	19710319
	GB 1308411	Α	19730228	GB 1971-24739	19710419
PRAI	JP 1970-23343	Α	19700319		

IT 17958-73-5 RL: USES (Uses)

(direct-pos. photographic emulsions containing phenylxanthenone sensitizers

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

NH-СH2-СH2-ОН

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L4 ANSWER 765 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
```

AN 1972:4802 CAPLUS

DN 76:4802

TI Whiteness of fabrics treated with different fluorescent whitening agents

AU Dzyad'ga, I. N.; Semak, B. D.; Kolyadenko, S. S.; Shmel'ova, L. S.

CS L'viv. Torg.-Ekon. Inst., Lvov, USSR

SO Legka Promislovist (1971), (4), 14-15 CODEN: LPNZAS; ISSN: 0457-3706

DT Journal

LA Ukrainian

IT 20579-01-5

RL: USES (Uses)

(fluorescent brighteners, for cotton, laundering stability of)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 766 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:553190 CAPLUS

DN 75:153190

TI Liquid detergents containing inorganic builders

IN Monroe, Aaron R.; Cannon, Martin T.

PA Procter and Gamble Co.

SO Ger. Offen., 30 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

L7uv.	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2062482	A	19710624	DE 1970-2062482	19701218
	NL 7018396	Α	19710622	NL 1970-18396	19701217
	FR 2074024	A 5	19711001	FR 1970-45840	19701218
	GB 1302750	Α	19730110	GB 1970-60257	19701218
PRAI	US 1969-886792	Α	19691219		
ΙT	17958-73-5				
	RL: USES (Uses)				
			· ·		

(fluorescent brightening agents, for liquid detergents)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

 \sim NH-CH₂-CH₂-OH

L4 ANSWER 767 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:552894 CAPLUS

DN 75:152894

TI Textile-treating agent containing a fluorescent whitener

IN Bloching, Helmut

PA Henkel und Cie. G.m.b.H.

SO Ger. Offen., 28 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

11111	0111 1				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 1953519	Α	19710722	DE 1969-1953519	19691024
	NL 7012557	Α	19710427	NL 1970-12557	19700825
	SE 369081	В	19740805	SE 1970-11553	19700825
	GB 1298236	Α	19721129	GB 1970-1298236	19700925
	FR 2065506	A 5	19710730	FR 1970-38274	19701023
	FR 2065506	B1	19731123		
	AT 299112	В	19720612	AT 1970-9594	19701023
	ES 384829	A1	19730316	ES 1970-384829	19701023
PRAI	DE 1969-1953519	Α	19691024	,	
TO	2071 10 0				

IT 3271-19-0

RL: USES (Uses)

(fluorescent brightening agents, containing disodium bis[(anilinomorpholinotriazinyl)amino]stilbenedisulfonates, for cotton textiles)

RN 3271-19-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methoxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-B

 \sim NH- CH $_2-$ CH $_2-$ OMe

IT 16090-02-1

RL: USES (Uses)

(fluorescent brightening agents, containing disodium bis[anilino[(methoxyethyl)amino]triazinylamino]stilbenedisulfonate, for cotton textiles)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 768 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:519172 CAPLUS

DN 75:119172

TI Textile softeners containing fluorescent whiteners

IN Bloching, Helmut

PA Henkel und Cie. G.m.b.H.

SO Ger. Offen., 10 pp. Addn. to Ger. Offen. 1,949,068. CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 1962127	Α	19710616	DE 1969-1962127	19691211
	NL 7012556	Α	19710331	NL 1970-12556	19700825
	SE 368718	В	19740715	SE 1970-11552	19700825
	GB 1269449	Α	19720406	GB 1970-1269449	19700925
	AT 295467	В	19720110	AT 1970-8725	19700928
PRAI	DE 1969-1949068	Α	19690929	,	
	DE 1969-1962127	Α	19690929		
	DE 1969-1962128	Α	19691211	•	
TM	16000 00 1 01000 0				

IT 16090-02-1 31900-04-6

RL: USES (Uses)

(fluorescent brightening agent, in textile softening agents)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

RN31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) NAME)

●2 Na

ANSWER 769 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

AN , 1971:499257 CAPLUS

DN 75:99257

TI Stilbene compounds as fluorescent whiteners

IN Balzer, Hans; Fleck, Fritz; Schmid, Hans Rudolf

PA Sandoz Ltd.

Ger. Offen., 56 pp. SO

CODEN: GWXXBX

DTPatent

LΑ German

FAN.	CNT 1				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2060085	Α	19710616	DE 1970-2060085	19701207
	CH 529770	Α	19721031	CH 1969-529770	19691211
	US 3757010	Α	19730904	US 1970-95935	19701207
	ES 386268	A1	19740101	ES 1970-386268	19701209
	NL 7018032	Α	19710615	NL 1970-18032	19701210
	FR 2073529	A5	19711001	FR 1970-44483	19701210
	GB 1299120	Α	19721206	GB 1970-1299120	19701210
	JP 52007011	В4	19770226	JP 1970-110044	19701210
	ZA 7008379	Α	19720726	ZA 1970-8379	19701211
	JP 49024127	В4	19740620	JP 1972-112819	19721110
PRAI	CH 1969-18425	Α	19691211		
IT	32892-88-9P 33763-2	1-2P 33	3909-80-7P		
	DIA TME /Table about all	E	DDDD	/ Daniel	

RL: IMF (Industrial manufacture); PREP (Preparation)

(preparation of)

RN 32892-88-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-amino-3oxopropyl)[3-(diethylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

-----NHPh

RN 33763-21-2 CAPLUS

CN Benzenesulfonic acid, 5-[[4-[(3-amino-3-oxopropyl)]3-(diethylamino)propyl]amino]-6-[(2-methylphenyl)amino]-1,3,5-triazin-2-yl]amino]-2-[2-[4-[[4-[(3-amino-3-oxopropyl)]3-(diethylamino)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

PhNH
N
N
N
SO3H
SO3H
N-CH2
(CH2)3

Et2N-(CH2)3

PAGE 1-B

RN 33909-80-7 CAPLUS

CN Benzenesulfonic acid, 5-[[4-[(3-amino-3-oxopropyl)]3-(4-morpholinyl)propyl]amino]-6-[(2-methylphenyl)amino]-1,3,5-triazin-2-yl]amino]-2-[2-[4-[[4-[(3-amino-3-oxopropyl)]3-(4-morpholinyl)propyl]amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

L4 ANSWER 770 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN AN 1971:489304 CAPLUS

DN 75:89304

10/519,031

TI Textile detergent containing fluorescent whiteners

IN Bloching, Helmut

PA Henkel und Cie. G.m.b.H.

SO Ger. Offen., 18 pp. Addn. to Ger. Offen. 1,949,068.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 1962128	Α	19710616	DE 1969-1962128	19691211
	NL 7012556	Α	19710331	NL 1970-12556	19700825
	SE 368718	В	19740715	SE 1970-11552	19700825
	GB 1269449	Α	19720406	GB 1970-1269449	19700925
	AT 295467	В	19720110	AT 1970-8725	19700928
PRAI	DE 1969-1949068	Α	19690929		
	DE 1969-1962127	Α	19690929		
	DE 1969-1962128	Α	19691211		•
Tm	16000 00 1 21000 04	~			

IT 16090-02-1 31900-04-6

RL: USES (Uses)

(fluorescent brightening agents, in textile detergents)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 771 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:465306 CAPLUS

DN 75:65306

TI Fluorescent whiteners consisting of 4,4'-bis(triazinylamino)-2,2'-stilbenedisulfonic acid derivatives

IN Moeller, Hinrich; Dohr, Manfred; Bloching, Helmut; Werner, Claus

PA Henkel und Cie. G.m.b.H.

SO Ger. Offen., 27 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

CAN.	CNT I				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 1955430	Α	19710506	DE 1969-1955430	19691104
PRAI	DE 1969-1955430		19691104	•	
IT	31966-17-3 33137-39	-2 3313	37-43-8		
	33137-44-9 33298-99	-6 3329	9-00-2		
	RL: USES (Uses)				
	(fluorescence on	cotton	1)		

RN 31966-17-3 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[methyl(D-gluco-2,3,4,5,6-pentahydroxyhexyl)amino]-s-triazin-2-yl]amino]-, disodium salt (8CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

RN 33137-39-2 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[ethyl(D-gluco-2,3,4,5,6-pentahydroxyhexyl)amino]-s-triazin-2-yl]amino]-, sodium salt (8CI) (CA INDEX NAME)

PhNH NH NH CH CH
$$=$$
 CH $=$ C

●x Na

PAGE 1-B

RN 33137-43-8 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[isopropyl(D-gluco-2,3,4,5,6-pentahydroxyhexyl)-s-triazin-2-yl]amino]-, sodium salt (8CI) (CA INDEX NAME)

PAGE 1-A

PhNH
N
N
N
N
CH
CH
CH
CH
SO3H
SO3H

●x Na

PAGE 1-B

RN 33137-44-9 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[butyl(D-gluco-2,3,4,5,6-pentahydroxyhexyl)amino]-s-triazin-2-yl]amino]-, sodium salt (8CI) (CA INDEX NAME)

●x Na

PAGE 1-B

RN 33298-99-6 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[(D-gluco-2,3,4,5,6-pentahydroxyhexyl)propylamino]-s-triazin-2-yl]amino]-, sodium salt (8CI) (CA INDEX NAME)

PAGE 1-A PhNH N NH CH CH CH \sim NH \sim NH \sim CH \sim CH \sim CH \sim CH \sim SO₃H \sim SO₃H

●x Na

n-Pr

PAGE 1-B

ОН

RN 33299-00-2 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[(2-hydroxypropyl)(D-gluco-2,3,4,5,6-pentahydroxyhexyl)amino]-s-triazin-2-yl]amino]-, sodium salt (8CI) (CA INDEX NAME)

●x Na

L4 ANSWER 772 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:456791 CAPLUS

DN 75:56791

TI Supersensitized, light-sensitive, photographic silver halide emulsions

IN Hiller, Gary L.; Ulbing, Cynthia G.; Starr, John E.

PA Eastman Kodak Co.

SO Ger. Offen., 55 pp.

CODEN: GWXXBX

DT Patent

LA . German

FAN.CNT 1

TLTA.	CNII				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 2046687	Α	19710408	DE 1970-2046687	19700922
	DE 2046687	В2	19730222		
	DE 2046687	C3	19730920		
	US 3695888	Α	19721003	US 1970-41569	19700528
	CA 942566	A1	19740226	CA 1970-90675	19700813
	FR 2064822	A 5	19710723	FR 1970-34379	19700923
	GB 1320797	Α	19730620	GB 1970-45301	19700923
	CH 564791	Α	19750731	CH 1970-14089	19700923
	JP 49046930	В4	19741212	JP 1970-83319	19700924
PRAI	US 1969-860394	Α	19690923		
	US 1970-41569	Α	19700528		
IT	20579-01-5				

20379-01-3

RL: USES (Uses)

(photographic supersensitizers from tricarbocyanine dyes and)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

L4 ANSWER 773 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:450427 CAPLUS

DN 75:50427

TΙ Bis(s-triazinylamino)stilbene optical whiteners

IN Ackermann, Hans; Creutzburg, Gerhard

PA Geigy, J. R., A.-G.

SO Ger. Offen., 32 pp.

CODEN: GWXXBX

DT Patent

LΑ German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2050926	Α	19710429	DE 1970-2050926	19701016
	FR 2066069	A 5	19710806	FR 1970-37408	19701016
	GB 1321843	Α	19730704	GB 1970-49296	19701016
PRAI	CH 1969-15580	Α	19691017		
IT	33899-54-6P				
	RL: IMF (Industrial	manufa	cture); PREP	(Preparation)	
	1				

(preparation of)

RN33899-54-6 CAPLUS

CNBenzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(cyanoamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, tetrasodium salt (9CI) (CA INDEX NAME)

Na

ANSWER 774 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

AN 1971:438237 CAPLUS

75:38237 DN

ΤI Detergent containing a bleach, enzyme, and fluorescent whitener

Werdehausen, Achim; Jakobi, Guenter IN

PA Henkel und Cie. G.m.b.H.

SO Ger. Offen., 26 pp.

CODEN: GWXXBX

DT Patent

German LΑ

FAN.	CNT 1				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 1955429	Α	19710506	DE 1969-1955429	19691104
PRAI	DE 1969-1955429		19691104		
IT	4193-55-9				
	RL: USES (Uses)				

(fluorescent brightening agents, for detergents)

RN 4193-55-9 CAPLUS CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 775 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:437928 CAPLUS

DN 75:37928

TI Stilbene fluorescent whitening agents

IN Nakanishi, Seinosuke; Sato, Kenzo; Nokai, Kazunobu

PA Kanegafuchi Spinning Co., Ltd.

SO Jpn. Tokkyo Koho, 6 pp. CODEN: JAXXAD

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
			·		
PΙ	JP 46010076	B4	19710313	JP	19680824

IT 32896-29-0P

RL: IMF (Industrial manufacture); PREP (Preparation) (preparation of)

RN 32896-29-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(phenylamino)-6-[[3-(phosphonooxy)propyl]amino]-1,3,5-triazin-2-yl]amino]-, hexasodium salt (9CI) (CA INDEX NAME)

●6 Na

PAGE 1-B

L4 ANSWER 776 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:437923 CAPLUS

DN 75:37923

TI Stilbene fluorescent whitening agent

IN Hayakawa, Ginshichiro; Kemimoto, Takeshi

PA Nisso Chemical Industries, Ltd.

SO Jpn. Tokkyo Koho, 3 pp.

CODEN: JAXXAD

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 46002421	B4	19710121	JP	19670628

IT 32866-17-4P

RN 32866-17-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, diammonium salt (9CI) (CA INDEX NAME)

L4 ANSWER 777 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:437823 CAPLUS

DN 75:37823

TI Compositions for treating textiles

IN Bloching, Helmut

PA Henkel und Cie. G.m.b.H.

SO Ger. Offen., 22 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 3

L'UIA	CNIJ				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PΙ	DE 1949068	Α	19710408	DE 1969-1949068	19690929
	NL 7012556	Α	19710331	NL 1970-12556	19700825
	SE 368718	В	19740715	SE 1970-11552	19700825
	GB 1269449	Α	19720406	GB 1970-1269449	19700925
	AT 295467	В	19720110	AT 1970-8725	19700928
	ES 384052	A 1	19721216	ES 1970-384052	19700928
	FR 2063053	A 5	19710702	FR 1970-35094	19700929
	FR 2063053	B1	19731123		
PRAI	DE 1969-1949068	Α	19690929		
	DE 1969-1962127	Α	19690929		
	DE 1969-1962128	Α	19691211		
TM	16000 00 1 21000 04	_			

IT 16090-02-1 31900-04-6

RL: USES (Uses)

(fluorescent brightening agents, textile treating compns. containing)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4ANSWER 778 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN 1971:413534 CAPLUS AN 75:13534 DN ΤI Supersensitized photographic silver halide emulsions IN Shiba, Keisuke; Hinata, Masanao; Sato, Akira; Misu, Hiroshi PA Fuji Photo Film Co., Ltd. Ger. Offen., 41 pp. SO CODEN: GWXXBX DTPatent German LΑ FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
					-
ΡI	DE 2036133	Α	.19710211	DE 1970-2036133	19700721
	DE 2036133	B2	19730530		
	DE 2036133	C3	19731213		
	JP 49025501	B4	19740701	JP 1969-57545	19690721
	BE 753689	Α	19701231	BE 1970-753689	19700720
	FR 2055343	A5	19710507	FR 1970-26635	19700720
	GB 1312101	Α	19730404	GB 1970-35144	19700720
	CA 975604	A1	19751007	CA 1970-88559	19700720
PRAI	JP 1969-57545	Α	19690721		

IT 20579-01-5

RL: USES (Uses)

(photographic supersensitizers from polymethine dyes and)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 779 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:407434 CAPLUS

DN 75:7434

TI Fluorescent whiteners for cellulose and polyamide fibers and paper

10/519,031

IN Baltorowicz, Marian; Rzeszowski, Jerzy

Instytut Przemyslu Organicznego PA

SO Pol., 2 pp. CODEN: POXXA7

DT Patent

LA Polish FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	PL 61710		19710105	PL	19671218

IT 32257-56-0P 32257-57-1P

> RL: IMF (Industrial manufacture); PREP (Preparation) (preparation of)

32257-56-0 CAPLUS RN

CN Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[(2hydroxyethyl)amino]-1,3,5-triazine-4,2-diyl]imino]]bis-, tetrasodium salt (CA INDEX NAME)

🕽4 Na

PAGE 1-B

RN32257-57-1 CAPLUS

CN Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[bis(2-hydroxyethyl)amino]-1,3,5-triazine-4,2-diyl]imino]]bis-, tetrasodium salt (9CI) (CA INDEX NAME)

Na

PAGE 1-B

L4ANSWER 780 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:143553 CAPLUS

DN 74:143553

ΤI Uniform dyeing and/or optical whitening of paper

IN Schmid, Pierre

PA Sandoz Ltd.

Ger. Offen., 28 pp. SO

CODEN: GWXXBX

DTPatent

LΑ German

FAN.CNT 1						
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
•						
ΡI	DE 2039034	Α	19710225	DE 1970-2039034	19700806	
	CH 520821	Α	19720331	CH 1969-520821	19690808	
	NL 7010041	Α	19710210	NL 1970-10041 ·	19700707	
	GB 1313786	Α	19730418	GB 1970-35305	19700721	
	AT 299688	В	19720626	AT 1970-7109	19700805	
	FR 2056658	A5	19710514	FR 1970-29012	19700806	
	ES 382508	A1	19730416	ES 1970-382508	19700806	
PRAI	CH 1969-12066	Α	19690808			
ΙT	32694-95-4					
	RL: USES (Uses)					
	/d**** *** ***	af =====\				

(dyeing with, of paper)

32694-95-4 CAPLUS RN

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2hydroxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

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ANSWER 781 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
AN
     1971:128015 CAPLUS
DN
     74:128015
TI
     Detergents containing fluorescent whiteners
PA
     Unilever N. V.
     Fr. Demande, 5 pp.
SO
     CODEN: FRXXBL
DT
     Patent
LА
     French
FAN.CNT 1
     PATENT NO.
                                DATE
                                            APPLICATION NO.
                                                                    DATE
                         KIND
     -----
ΡI
     FR 2018080
                                19700724
                                            FR
     ZA 6906423
                                19690000
                                            zA
PRAI GB
                                19680913
     13863-31-5
ΙT
     RL: USES (Uses)
        (fluorescent birghtening agents, for detergents)
RN
     13863-31-5 CAPLUS
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-
CN
     hydroxyethyl) methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-,
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disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

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CN

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ANSWER 782 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
AN
     1971:127449 CAPLUS
DN
     74:127449
ΤI
     Dispersions of salt-forming, hydrosolubilizing fluorescent whitening
     agents
PA
     Farbwerke Hoechst A.-G.
SO
     Fr., 9 pp.
     CODEN: FRXXAK
DT
     Patent
LΑ
     French
FAN.CNT 1
     PATENT NO.
                          KIND
                                 DATE
                                             APPLICATION NO.
                                                                     DATE
PΙ
     FR 1599407
                                 19700821
                                             FR
     DE 1594854
                                             DE
     GB 1250207
                                             GB
PRAI DE
                                 19671223
IT
     31001-71-5
     RL: USES (Uses)
        (fluorescent brightening agents, dispersions of, for nylon)
RN
     31001-71-5 CAPLUS
```

2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-(dimethylamino)-s-

triazin-2-yl]amino]-, disodium salt (6CI, 8CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 783 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN 1971:100954 CAPLUS ΑN 74:100954 DN ΤI Washing agents PA Henkel und Cie. G.m.b.H. SO Brit., 6 pp. CODEN: BRXXAA DTPatent LА English FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO. DATE PΙ GB 1210952 19701104 GB 1968-6238 19680208 DE 1617125 DΕ PRAI DE 19670209 IT 32466-46-9 RL: USES (Uses) (fluorescent brightening agents, for detergents) RN 32466-46-9 CAPLUS CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[(4-anilino-6-morpholino-s-triazin-2-

Double bond geometry as shown.

yl)amino]-, (E)- (8CI) (CA INDEX NAME)

L4 ANSWER 784 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:100914 CAPLUS

DN 74:100914

TI Bactericidal soaps

IN Bloching, Helmut; Werner, Lothar; Schneider, Werner

PA Henkel und Cie. G.m.b.H.

SO Ger. Offen., 8 pp.

CODEN: GWXXBX

DТ Patent

LΑ German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 1938178	Α	19710211	DE 1969-1938178	19690728
	NL 7009371	Α	19710201	NL 1970-9371	19700625
	IT 968015	Α	19740320	IT 1970-27737	19700722
	FR 2055580	A 5	19710507	FR 1970-27366	19700724
	BE 753981	Α	19710127	BE 1970-753981	19700727
	AT 300996	В	19720810	AT 1970-6843	19700727
	ES 382188	A1	19721016	ES 1970-382188	19700727
	СН 536356	Α	19730615	CH 1970-11342	19700727
PRAI	DE 1969-1938178	Α	19690728		

16090-02-1 IT

RL: USES (Uses)

(fluorescent brightening agents, for soap bars)

RN16090-02-1 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4ANSWER 785 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:100913 CAPLUS

DN 74:100913

Bactericidal soaps TI

IN Bloching, Helmut; Werner, Lothar; Schneider, Werner

Henkel und Cie. G.m.b.H. PA

Ger. Offen., 8 pp. SO

CODEN: GWXXBX

DTPatent

LA German

FAN CNT 1

DATE
19690728
19700625
19700722
19700724
19700727
19700727
19700727
19700727

PRAI DE 1969-1938177 A 19690728

IT 16090-02-1

RL: USES (Uses)

(fluorescent brightening agents, for soap bars)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 786 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:88969 CAPLUS

DN 74:88969

TI Detergents containing polyphosphates

IN Nagayama, Shozo; Nagai, Toshio; Nishita, Atsushi

PA Lion Fat and Oil Co., Ltd.

SO Jpn. Tokkyo Koho, 4 pp.

CODEN: JAXXAD

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	. 				
PΙ	JP 45024454	B4	19700814	JP	19650225
ΙT	4193-55-9, C.I. Fl	uorescen	it Brightenin	ig Agent 28, disodium sa	alt
	RL: USES (Uses)				
	(for detergents)			

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

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$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

PAGE 1-B

- cн₂- он

L4ANSWER 787 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:88968 CAPLUS

DN 74:88968

ΤI Detergents containing enzymes and peroxy compounds

Ceccarelli, Cesare; Worms, Karl H.; Galinke, Joachim IN

PA Henkel und Cie. G.m.b.H.

so Ger. Offen., 30 pp.

CODEN: GWXXBX

DΤ Patent

LΑ German

FAN.CNT 1

 01.1			•	
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
 DE 1940654 DE 1969-1940654 4404-43-7	Α	19710218 19690809	DE 1969-1940654	19690809

RL: USES (Uses)

(fluorescent brightening agents, for detergents)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

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L4 ANSWER 788 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:88957 CAPLUS

DN 74:88957

10/519,031

TI Drying and comminution of fluorescent whitening agents for detergents

IN Langstroth, Theodore A.

PA Sterling Drug Inc.

SO Ger. Offen., 9 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	J.1				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
					
PI	DE 2033437	Α	19710121	DE 1970-2033437	19700706
	GB 1317465	Α	19730516	GB 1970-31224	19700626
	NL 7009919	Α	19710111	NL 1970-9919	19700703
	BE 753079	Α	19710107	BE 1970-753079	19700707
	FR 2054284	A 5	19710416	FR 1970-25194	19700707
	US 3781215	Α	19731225	US 1971-201198	19711122
	US 3870649	Α	19750311	US 1973-366069 ·	19730601
PRAI	US 1969-839703	Α	19690707		
	US 1971-201198	A2	19711122		

IT 16090-02-1

RL: USES (Uses)

(fluorescent brightening agents, for detergents)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 789 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:77661 CAPLUS

DN 74:77661

TI Rinsing agents for softening textiles

IN Berg, Markus; Hartenstein, Josef; Fries, Walter; Werner, Claus

PA Henkel und Cie. G.m.b.H.

SO Ger. Offen., 25 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

LIM	. Chi				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 1922047	A	19710121	DE 1969-1922047	19690430
	DE 1922047	B2	19770804		
	JP 48020204	В4	19730619	JP 1969-100547	19691215
	NL 7000520	A	19701103	NL 1970-520	19700114
	FR 2040418	A 5	19710122	FR 1970-1211	19700114
	FR 2040418	В1	19730316		
	AT 298403	В	19720510	AT 1970-329	19700114

INDEX NAME)

	CH 529832	A	19721031	CH 1970-529832	19700114			
	DK 138704	В	19780816	DK 1970-161	19700114			
		_		DR 1970 101	13/00114			
	DK 138704	С	19790319					
	BE 744712	·A	19700701	BE 1970-744712	19700121			
	US 3775316	Α	19731127	US 1972-230446	19720229			
PRAI	DE 1969-1922047	Α	19690430					
	US 1970-29289	A1	19700416					
IT	4404-43-7				,			
	RL: USES (Uses)							
	(fluorescent brig	htenin	g agents, fo	r textiles)				
RN	4404-43-7 CAPLUS							
CN	Benzenesulfonic acid	1, 2,21	-(1,2-ethene	diyl)bis[5-[[4-[bis(2	_			
	hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA							

ANSWER 790 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

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L4

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1971:77371 CAPLUS
AN
DN
     74:77371
ΤI
     Finishing compositions for textiles
PA
     Henkel und Cie. G.m.b.H.
so
     Fr., 6 pp.
     CODEN: FRXXAK
DT
     Patent
LΑ
     French
FAN.CNT 1
                                                                     DATE
     PATENT NO.
                         KIND
                                 DATE
                                             APPLICATION NO.
PΙ
     FR 1599458
                                 19700821
                                             FR
     DE 1769753
                                             DE
PRAI DE
                                 19680709
     20579-01-5
ΙT
     RL: USES (Uses)
        (fluorescent brightening agents, for textiles)
     20579-01-5 CAPLUS
RN
CN
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-
     1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)
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●2 Na

L4ANSWER 791 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:65965 CAPLUS

74:65965 DN

Washing and bleaching agents from mixtures of 5,5-dimethylhydantoin and ΤI dichloroisocyanuric acid

IN Lohschelder, Heinrich; Fries, Walter; Harder, Hans

PA Henkel und Cie. G.m.b.H.

Ger. Offen., 18 pp. SO

CODEN: GWXXBX

DTPatent

LΑ German

FAN.CNT 1

 				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
 DE 1931329 DE 1969-1931329 16090-02-1	Α	19701223 19690620	DE 1969-1931329	19690620

RL: USES (Uses)

(fluorescent brightening agents, with improved stability)

RN 16090-02-1 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

L4ANSWER 792 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

1971:65962 CAPLUS AN

DN 74:65962

ΤI Washing and fluorescent whitening agents for textiles, containing clarifying agents

PA Henkel und Cie. G.m.b.H.

so Fr., 10 pp. CODEN: FRXXAK DT Patent LA French

FAN.CNT 1

19680620

PRAI DE

IT 24231-46-7

RL: USES (Uses)

(fluorescent brightening agents, for textiles)

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

IT 4404-43-7

RL: USES (Uses)

(for textiles)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

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L4 ANSWER 793 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:65960 CAPLUS

DN 74:65960

TI Washing and fluorescent whitening agents for textiles, containing clarifying agents

PΑ Henkel und Cie. G.m.b.H.

SO Fr., 10 pp.

CODEN: FRXXAK

DTPatent

LΑ French

FAN.CNT 1

PΙ

PATENT NO. KIND DATE APPLICATION NO. DATE FR 1597134 19700731 FR

PRAI DE

19680620

IT 4404-43-7 24231-46-7

RL: USES (Uses)

(fluorescent brightening agents, for textiles)

RN 4404-43-7 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

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RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4ANSWER 794 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:65483 CAPLUS

DN 74:65483

ΤI Nitrogen-containing aromatic surfactants and fluorescent whitening agents for rendering textiles pliable

PA Henkel und Cie. G.m.b.H.

SO Fr., 6 pp. CODEN: FRXXAK

DT Patent LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 1597132		19700731	FR	
	DE 1769531			DE	
DDAT	DE		10690606		

PRAI DE

19680606

IT 17958-73-5 RL: USES (Uses)

(fluorescent brightening agents, for pliable textiles)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

NH-CH2-CH2-OH

L4 ANSWER 795 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:59348 CAPLUS

DN 74:59348

TI Photographic printing paper with improved fluorescent whiteness

IN Amano, Hiroyuki; Tsuji, Nobuo; Miyazako, Takushi; Shirasu, Kazuo; Tutiya, Yosinori

PA Fuji Photo Film Co., Ltd.

SO Ger. Offen., 25 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 2023151	Α	19701126	DE 1970-2023151	19700512

DE 2023151	С3	19781012		
บร 3650752	Α	19720321	US 1970-36525	19700512
GB 1273085	Α	19720503	GB 1970-1273085	19700512
PRAI JP 1969-36404	Α	19690512		
тт 32697-50-0				

RL: USES (Uses)

(fluorescent whitening agents, containing urethanized vinyl alc. polymer for photographic printing paper)

RN 32697-50-0 CAPLUS

CN Poly[[6-[(4-carboxyphenyl)amino]-1,3,5-triazine-2,4-diyl]imino-1,2-ethanediylsulfonyl-1,2-ethanediylimino[6-[(4-carboxyphenyl)amino]-1,3,5-triazine-2,4-diyl]imino(3-sulfo-1,4-phenylene)-1,2-ethenediyl(2-sulfo-1,4-phenylene)imino tetrasodium salt] (9CI) (CA INDEX NAME)

PAGE 1-A

L4 ANSWER 796 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:43527 CAPLUS

DN 74:43527

TI Stilbene compounds used as fluorescent whitening agents with cellulose and polyamide fabrics

PA Farbenfabriken Bayer A.-G.

SO Fr. Demande, 5 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN. CNT 1

LAW	N1 1				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2013937		19700410	FR 1969-25959	19690729
DDAT	DF		19680729		

IT 4404-43-7P 28505-88-6P

RL: IMF (Industrial manufacture); PREP (Preparation)
 (preparation of)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

— cн₂- он

RN 28505-88-6 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[(2-cyanoethyl)methylamino]-s-triazin-2-yl]amino]- (8CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

L4 ANSWER 797 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:14196 CAPLUS

DN 74:14196

TI Fluorescent whitening agents

IN Tscharner, Christopher J.; Horlacher, Paul; Schwarz, Maurice J.

PA Geigy, J. R., A.-G.

SO Ger. Offen., 38 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 2

L MIN.	CNT Z				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2016773	Α	19701015	DE 1970-2016773	19700408
	CH 522659	Α	19720515	CH 1970-522659	19700319
	SE 359548	В	19730903	SE 1970-4661	19700406
	BE 748641	Α	19701008	BE 1970-748641	19700408
	NL 7005046	Α	19701013	NL 1970-5046	19700408
	FR 2043068	A 5	19710212	FR 1970-12652	19700408
	GB 1301362	Α	19721229	GB 1970-1301362	19700408
	JP 48023524	B4	19730714	JP 1970-30093	19700408
	AT 308702	В	19730725.	AT 1970-3214	19700408
PRAI	US 1969-814562	Α	19690409		
IT	3224-72-4P 3271-19-	0P			

RL: IMF (Industrial manufacture); PREP (Preparation)

(preparation of)

RN 3224-72-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-methoxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

 \sim NH- (CH₂)₃-OMe

RN 3271-19-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methoxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

 \sim NH-CH₂-CH₂-OMe

L4 ANSWER 798 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1970:510909 CAPLUS

DN 73:110909

TI 4,4'Bis(triazinylamino)stilbene-2,2'-disulfonic acids as fluorescent whitening agents

IN Frischkorn, Hans; Schinzel, Erich; Roesch, Guenter

PA Farbwerke Hoechst AG

SO Ger. Offen., 11 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 1902445	Α	19700730	DE 1969-1902445	19690118
	US 3655574	Α	19720411	US 1970-2396	19700112
	NL 7000424	Α	19700721	NL 1970-424	19700113
	BE 744607	Α	19700720	BE 1970-744607	19700119
	FR 2028591	A5	19701009	FR 1970-1747	19700119
	GB 1285142	Α	19720809	GB 1970-1285142	19700119
PRA1	DE 1969-1902445	Α	19690118		

IT 4404-43-7P

RL: IMF (Industrial manufacture); PREP (Preparation)
 (preparation of)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

— cн₂— он

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L4 ANSWER 799 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
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AN 1970:500069 CAPLUS

DN 73:100069

TI Isolation of 4,4'-bis(s-triazin-2-ylamino)stilbene-2,2'-disulfonic acids and sodium salts

IN Tyreman, Neville

PA Imperial Chemical Industries Ltd.

SO Ger. Offen., 17 pp. CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

ΡI	DE 2000043	Α	19700716	DE 1970-2000043	19700102
	GB 1287581	Α	19720831	GB 1969-61	19690101
	FR 2027624	A5	19701002	FR 1970-79	19700102
	СН 537399	Α	19730713	CH 1970-30	19700105
PRAI	GB 1969-61	Α	19690101		
IT	4404-43-7P 17958-73-	5P			
	RL: IMF (Industrial	manufa	cture); PREP	(Preparation)	
c	(preparation of)				
RN	4404-43-7 CAPLUS				
CN	Benzenesulfonic acid	, 2,2'	-(1,2-ethene	diyl)bis[5-[[4-[bis(2-	
	hydroxyethyl)amino]-	6-(phe	nylamino)-1,	3,5-triazin-2-yl]amino]	- (9CI) (CA
	INDEX NAME)				

PAGE 1-B

— cн₂- он

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

— NH— CH2— CH2— ОН

L4 ANSWER 800 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1970:500068 CAPLUS

DN 73:100068

TI p,p'-Bis[4-(β-carbamoylethylamino)-s-triazin-2-ylamino]stilbenes as fluorescent whitening agents

IN Loffelman, Frank F.; Konzelman, Leroy M.

PA American Cyanamid Co.

SO Ger. Offen., 25 pp. CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

1111	ONI I				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
					
PI	DE 1963065	Α	19700702	DE 1969-1963065	19691216
	US 3600385	Α	19710817	US 1968-784250	19681216
	GB 1247765	Α	19710929	GB 1969-1247765	19691111
	NL 6917378	Α	19700618	NL 1969-17378	19691119
	FR 2026248	A5	19700918	FR 1969-43366	19691215
	ES 374599	A 1	19720401	ES 1969-374599	19691216
	JP 49023287	B4	19740614	JP 1969-101565	19691216
	CH 553794	Α	19740913	CH 1969-18749	19691216
PRA]	US 1968-784250	Α	19681216		

IT 27344-06-5P

RL: IMF (Industrial manufacture); PREP (Preparation)
 (preparation of)

RN 27344-06-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-amino-3-oxopropyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

____NHPh

L4 ANSWER 801 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1970:478527 CAPLUS

DN 73:78527

TI Fluorescent whitening agents. I. Sodium 4,4'-bis(2-anilino-4-monoethanolamino-1,3,5-triazin-6-ylamino)-2,2'-stilbene disulfonate

AU Yamashita, Yoshio

CS Fac. Lit. Sci., Kochi Univ., Kochi, Japan

SO Yuki Gosei Kagaku Kyokaishi (1970), 28(5), 526-32 CODEN: YGKKAE; ISSN: 0037-9980

DT Journal

LA Japanese

IT 17958-73-5P

RL: PUR (Purification or recovery); PREP (Preparation)
 (purification of)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

~ nн- ch2- ch2- oh

L4 ANSWER 802 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN AN 1970:457449 CAPLUS

10/519,031

DN 73:57449

TI Low-temperature bleaching detergents

IN Evans, John Mon

PA Unilever N. V.

SO Ger. Offen., 15 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.	CNT 1 PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 1961775	A	19700702	DE 1969-1961775	19691209
	DE 1961775	B2	19740912		
	GB 1286459	A	19720823	GB 1968-59272	19681212
	SE 347993	В	19720821	SE 1969-16910	19691208
	BR 6914952	A 0	19730517	BR 1969-214952	19691210
	СН 536355	Α	19730615	СН 1969-18398	19691210
	FI 50995	В	19760531	FI 1969-3582	19691210
	BE 743005	Α	19700611	BE 1969-743005	19691211
	NL 6918638	Α	19700616	NL 1969-18638	19691211
	NL 158218	В	19781016		
•	FR 2025990	A 5	19700910	FR 1969-42983	19691211
	ES 374457	A1	19720301	ES 1969-374457	19691211
	DK 128325	В	19740408	DK 1969-6575	19691211
	AT 319440	В	19741227	AT 1969-11533	19691211
	us 3741903	Α	19730626	US 1971-206143	19711208
PRAI	GB 1968-59272	Α	19681212		
	US 1969-882305	A2	19691204		
IT	4193-55-9 13863-31-5	16090	-02-1		

IT 4193-55-9 13863-31-5 16090-02-1

29803-14-3

RL: USES (Uses)

(fluorescent brighteners, detergents containing)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2-N$
 $HO-CH_$

●2 Na

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

PhNH NH NH HO3S NH NHPh HO3S NH CH2
$$\sim$$
 CH2 \sim CH2 \sim NHPh Me

●2 Na

PAGE 1-B

— cн₂- он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxy-1methylethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

ANSWER 803 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

AN 1970:446959 CAPLUS

DN 73:46959

ΤI Detergents for synthetic textiles

IN Fries, Walter; Loehr, Albrecht; Bloching, Helmut

PA Henkel und Cie. G.m.b.H.

SO Ger. Offen., 19 pp.

CODEN: GWXXBX

Patent DT

LΑ German

EAM CMT 1

FAN.	FAN.CNT I						
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
ΡĪ	DE 1816347	Α	19700625	DE 1968-1816347	19681221		
	NL 6917579	Α	19700623	NL 1969-17579	19691121		
	BE 743348	Α	19700618	BE 1969-743348	19691218		
	FR 2026792	A 5	19700918	FR 1969-44066	19691219		
	CH 510108	Α	19710715	CH 1969-510108	19691219		
	AT 295710	В	19720110	AT 1969-11875	19691219		
	ES 374776	A1	19730316	ES 1969-374776	19691220		
	GB 1269680	Α	19720406	GB 1969-1269680	19691222		
PRAI	DE 1968-1816347	Α	19681221				
IT	4193-55-9						
	RL: HSES (HSes)						

RL: USES (Uses)

(fluorescent brighteners, detergents containing)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

L4 ANSWER 804 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1970:436585 CAPLUS

DN 73:36585

TI Fluorescent whitening agents

IN Hayakawa, Ginshichiro; Miyazawa, Takeshi; Samejima, Makoto

PA Nisso Chemical Industries, Ltd.

SO Jpn. Tokkyo Koho, 3 pp.

CODEN: JAXXAD

DT Patent

LA Japanese

FAN.CNT 1

ΡI

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 45002346	B4	19700126	JP	19681217

IT 28202-35-9P

RL: IMF (Industrial manufacture); PREP (Preparation)
 (preparation of)

RN 28202-35-9 CAPLUS

CN Benzenesulfonic acid, 2-[2-[4-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]ethenyl]-5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)



L4

AN 1970:426620 CAPLUS
DN 73:26620
TI New crystalline form of a bis(triazinylamino)stilbene optical whitener
IN Tscharner, Christopher J.

ANSWER 805 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

PA Geigy Chemical Corp.

SO U.S., 6 pp. CODEN: USXXAM

DT Patent LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3511833	A	19700512	US 1967-638066	19670512
	CH 513890	Α	19711015	CH 1968-513890	19680508
	SE 351216	В	19721120	SE 1968-6177	19680508
	NL 6806690	Α	19681113	NL 1968-6690	19680510
	NL 163785	B	19800516		
	NL 163785	С	19801015		
	FR 1583854	Α	19691205	FR 1968-1583854	19680510
	AT 2.78989	В	19700225	AT 1968-4525	19680510
	GB 1208216	Α .	19701007	GB 1968-1208216	19680510
	DE 1770376	B2	19790719	DE 1967-1770376	19680510
	DE 1770376	C3	19800320		
	ES 353818	A 1	19691016	ES 1968-353818	19680511
	CS 151469	P	19731019	CS 1968-3455	19680512
	BE 715067	Α	19681113	BE 1968-715067	19680513
PRAI	US 1967-638066	Α	19670512		

IT 13863-31-5P

RL: IMF (Industrial manufacture); PREP (Preparation)
 (preparation of)

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

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IT 27344-06-5P

L	4 ANSWER 806 OF 904	CAPLUS	COPYRIGHT	2006 ACS on STN	
A	N 1970:416307 CAPL	US			
Dì	N 73:16307				
T]	I Bis(triazinylamino	o)stilber	ne fluoresce	ent whiteners	
I	N Fleck, Fritz			•	
P.	A Sandoz Ltd.				
SC	Ger. Offen., 21 p	р.		•	
	CODEN: GWXXBX				
D'	Γ Patent				
L	A German				
F7	AN.CNT 1				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
P]		A		DE 1969-1939521	19690802
	DE 1939521	B2	19750320		
	DE 1939521	C3	19751106		
	CH 508641	A	19710615	CH 1968-508641	19680806
	BE 736983	Α	19700116	BE 1969-736983	19690801
	FR 2015138	A 5	19700424	FR 1969-26707	19690804
	ES 370204	A 1	19710701	ES 1969-370204	19690804
	GB 1243276	Α	19710818	GB 1969-1243276	19690805
	NL 6911992	Α	19700210	NL 1969-11992	19690806
PI	RAI CH 1968-11778	Α	19680806	•	

RL: IMF (Industrial manufacture); PREP (Preparation)
 (preparation of)

RN 27344-06-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-amino-3-oxopropyl)(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

_____ NHPh

L4 ANSWER 807 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1970:404961 CAPLUS

DN 73:4961

TI Fluorescent whitening agents

IN Okawa, Katsuaki; Matsuo, Masatoshi; Sakaguchi, Tadao

PA Sumitomo Chemical Co., Ltd.

SO Jpn. Tokkyo Koho, 5 pp. CODEN: JAXXAD

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 45001897	В4	19700122	JР	19671223
ΙT	16090-02-1P 24019-8	30-5P 24	019-81-6P		

RL: IMF (Industrial manufacture); PREP (Preparation) (preparation of)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

RN 24019-81-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(4-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

L4 ANSWER 808 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1970:122931 CAPLUS

DN 72:122931

TI Pulverization of fluorescent whitening agents

IN Okawa, Katsuaki; Matsuo, Masatoshi; Sakaguchi, Tadao

PA Sumitomo Chemical Co., Ltd.

SO Jpn. Tokkyo Koho, 5 pp.

CODEN: JAXXAD

DT Patent

LA Japanese

FAN.CNT 1

L'ATA	CNII				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	JP 45003673	B4	19700206	JP	19671229
IT	16090-02-1 24019-80	-5 2401	19-81-6		
	RL: PROC (Process)				
	(pulverization o	f)			
RN	16090-02-1 CAPLUS				

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

RN 24019-80-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

RN 24019-81-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(4-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Me NH NH CH CH CH NN N N SO3H SO3H

•2 Na

PAGE 1-B

L4 ANSWER 809 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1970:112805 CAPLUS

DN 72:112805

TI New crystalline form of a bistriazinyl stilbene fluorescent whitener

IN Obayashi, Kenro; Ishihara, Koichiro

PA Sumitomo Chemical Co., Ltd.

SO Jpn. Tokkyo Koho, 5 pp.

CODEN: JAXXAD

DT Patent

LA Japanese

FAN. CNT 1

IM.	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	JP 44021859	B4	1 9 690918	JP	19660310
ΙT	24231-46-7P				

RL: IMF (Industrial manufacture); PREP (Preparation)
 (preparation of)

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 810 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1970:101859 CAPLUS

DN 72:101859

TI Triazinylaminostilbene fluorescent whitening agents

IN Yamakawa, Yoshio; Hamakawa, Kiyoshi; Ihara, Makoto

PA Sumitomo Chemical Co., Ltd.

SO Jpn. Tokkyo Koho, 3 pp. CODEN: JAXXAD

DT Patent

LA Japanese

FAN. CNT 1

1711	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 45000772	B4	19700112	JР	19660607
TT	17059_72_5D				

IT 17958-73-5P

RL: IMF (Industrial manufacture); PREP (Preparation)
 (preparation of)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME).

2 Na

PAGE 1-B

DATE

19671204

~ nн- cн₂- cн₂- он

ANSWER 811 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4AN 1970:44965 CAPLUS 72:44965 DN ΤI Treatment of fluorescent whiteners PA Farbenfabriken Bayer A.-G. SO Fr., 4 pp. CODEN: FRXXAK DTPatent LΑ French FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO. PΙ FR 1551263 19681227 FR DE 1594849 DE GB 1173806 GB 19661202 PRAI DE 16090-02-1 ΙT

(fluorescent brightening agents, manufacture of hollow particles of)

RN16090-02-1 CAPLUS

RL: USES (Uses)

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-CN (phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 812 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1970:33252 CAPLUS

DN 72:33252

TI Stilbene fluorescent whitening agents in the β crystal form

IN Ohkawa, Masaaki; Matsuo, Masatoshi; Sakaguchi, Tadao; Sato, Syozi; Momoi, Yoshikazu

PA Sumitomo Chemical Co., Ltd.

SO Ger. Offen., 24 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

1141.	0111 1				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 1904854		19690925	DE 1969-1904854	19690131
PI		Α		DE 1909-1904854	19090131
	DE 1904854	C3	19770505		
	GB 1254241	Α	19711117	GB 1969-1254241	19690121
	FR 2003843	A 5	19691114	FR 1969-1427	19690124
	US 3630944	Α	19711228	US 1969-794388	19690127
	ES 363110	A1	19710216	ES 1969-363110	19690130
	BR 6906002	A0	19730531	BR 1969-206002	19690130
	BE 727740	Α	19690701	BE 1969-727740	19690131
	NL 6901556	Α	19690916	NL 1969-1556	19690131
	CH 546814	Α	19740315	СН 1969-1560	19690131
	US 3743602	Α	19730703	US 1971-135741	19710420
PRAI	JP 1968-16916	Α	19680314		
	JP 1968-23610	Α	19680409		
	JP 1968-23619	Α	19680409		
	US 1969-794388	A3 .	19690127		
TΨ	16000_02_1p				

IT 16090-02-1P

RL: IMF (Industrial manufacture); PREP (Preparation)
 (preparation of)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 813 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1970:22506 CAPLUS

DN 72:22506

TI Antimicrobial properties of fibers treated with luminescent preparations

AU Makarova, T. P.; Darvina, V. V.; Kolodner, D. I.; Konev, Yu. E.; Vol'f, L. A.

CS Leningrad. Filial VNIIV, Leningrad, USSR

SO Khimicheskie Volokna (1969), (5), 50-1 CODEN: KVLKA4; ISSN: 0023-1118

DT Journal

LA Russian

IT 20579-01-5, Rylux BS

RL: USES (Uses)

(fluorescent brightening agent, antimicrobial properties of fibers treated with)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

L4 ANSWER 814 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1970:17276 CAPLUS

DN 72:17276

TI Color photographic copying paper

IN Amano, Hiroyuki; Nishio, Fumihiko; Tsuji, Nobuo; Shirasu, Kazuo

PA Fuji Photo Film Co., Ltd.

SO Ger. Offen., 41 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	JP	48021288	B4	1 97 30627	JP	1968-1669	19680112
	BE	726603	Α	1 96 90616	BE	1969-726603	19690108
	NL	6900374	Α	1 96 90715	NL	1969-374	19690109
	FR	2000186	A5	1 96 90829	FR	1969-206	19690109
	GB	1239732	Α	1 97 10721	GB	1969-1239732	19690110
	US	3676139	Α	19 7 20711	US	1969-790846	19690113
PRAI	JΡ	1968-1669	Α	19680112			

IT 32697-50-0, Poly[[6-(p-carboxyanilino)-s-triazine-2,4-

diyl]iminoethylenesulfonylethyleneimino[6-(p-carboxyanilino)-s-triazine-2,4-diyl]imino(3-sulfo-p-phenylene)vinylene(2-sulfo-p-phenylene)imino tetrasodium salt]

RL: TEM (Technical or engineered material use); USES (Uses) (photographic color copying papers containing)

RN 32697-50-0 CAPLUS

CN Poly[[6-[(4-carboxyphenyl)amino]-1,3,5-triazine-2,4-diyl]imino-1,2-ethanediylsulfonyl-1,2-ethanediylimino[6-[(4-carboxyphenyl)amino]-1,3,5-triazine-2,4-diyl]imino(3-sulfo-1,4-phenylene)-1,2-ethenediyl(2-sulfo-1,4-phenylene)imino tetrasodium salt] (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

L4 ANSWER 815 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1969:514050 CAPLUS

DN 71:114050

TI Determination of fluorescent whitening agents in finishing solutions and on the fiber

AU Darvina, V. V.; Makarova, T. P.; Kolodner, D. I.

CS USSR

SO Khim. Volokna (1968), 121-6. Editor(s): Konkin, A. A. Publisher: Izd. "Khimiya", Moscow, USSR. CODEN: 21HKA2

DT Conference

LA Russian

IT 20579-01-5, Rilux BS

RL: ANT (Analyte); ANST (Analytical study)
 (determination of, on fibers)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 816 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1969:53010 CAPLUS

DN 70:53010

TI Supersensitized silver halide emulsion

IN Kalenda, Norman W.

PA Eastman Kodak Co.

SO U.S., 10 pp. CODEN: USXXAM

DT Patent LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	US 3416927	A	19681217	US 1966-598570	19661020
PRAI	US 1966-598570	Α	19661020		

IT 4193-55-9

RL: USES (Uses)

(as photographic supersensitizer for merocyanine dyes)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

-сн $_2$ -он

L4	ANSWER 817 OF 904	CAPLUS	COPYRIGHT	2006 ACS on STN
AN	1969:38907 CAPLUS			
DN	70:38907			
TI	Substituted 4,4'-b	is(triaz	zinylamino)s	tilbenes
PA	Geigy, J. R., AG	•		
so	Brit., 6 pp.			
	CODEN: BRXXAA			
DT	Patent			
LΑ	English			
FAN.	CNT 1			
	PATENT NO.	KIND	DATE	APPLICATION NO
DT	CB 11205/0		10691000	CD 1067 20000

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	GB 1129548		19681009	GB 1967-29800	19670628
	CH 474601			СН	
	FR 1529366			FR	
	US 3546218		19701208	US	19660629
	บร 3676339		19720711	US	19700416
PRAI	US		19660629		

IT 19523-47-8P 19523-49-0P 19643-44-8P

20982-06-3P 20982-10-9P

RL: IMF (Industrial manufacture); PREP (Preparation)

(preparation of)

RN 19523-47-8 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[[3-[bis(2hydroxyethyl)amino]propyl]amino]-s-triazin-2-yl]amino]- (8CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

RN19523-49-0 CAPLUS

CN2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[(3morpholinopropyl)amino]-s-triazin-2-yl]amino]- (8CI) (CA INDEX NAME)

PAGE 1-A NH-SO3H

NHPh

PAGE 1-B

SO3H

RN19643-44-8 CAPLUS

2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[[3-CN

(dimethylamino)propyl]amino]-s-triazin-2-yl]amino]- (8CI) (CA INDEX NAME)

PAGE 1-B

 \sim NH- (CH₂)₃-NMe₂

RN 20982-06-3 CAPLUS
CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[[3-[bis(2-hydroxyethyl)amino]propyl]amino]-s-triazin-2-yl]amino]-, disodium salt (8CI) (CA INDEX NAME)

PAGE 1-A

HO- CH_2 - CH_2 HO- CH_2 - CH_2 -N- $(CH_2)_3$ -NH

N

N

N

N

N

N

SO₃H

SO₃H

●2 Na

PAGE 1-B

CH₂- CH₂- OH

NH- (CH₂)₃- N- CH₂- CH₂- OH

N N

NHPh

RN 20982-10-9 CAPLUS
CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-[[3-[(3aminopropyl)methylamino]propyl]amino]-6-anilino-s-triazin-2-yl]amino](8CI) (CA INDEX NAME)

PAGE 1-B

L4 ANSWER 818 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1969:30022 CAPLUS

DN 70:30022

TI Optical isomerization in aqueous solution of bistriazinylaminostilbenetype fluorescent brightening dyes. II

AU Yamashita, Yoshio

CS Kochi Univ., Kochi, Japan

SO Kochi Daigaku Kenkyu Hokoku, Shizen Kagaku (1967), 16, 25-36 CODEN: KODKAH

DT Journal

LA Japanese

IT 17958-73-5

RL: RCT (Reactant); RACT (Reactant or reagent)
 (isomerization of)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

~ NH- CH₂- CH₂- OH

L4 ANSWER 819 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1969:30005 CAPLUS

DN 70:30005

TI Optical brightening and chemical bleaching of textiles

PA Geigy, J. R., A-G.

SO Fr., 6 pp.

CODEN: FRXXAK

DT Patent

LA French

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE
PI FR 1502255 19671118 FR 1966-84792 19661124
PRAI CH 19651125

IT 4193-55-9

RL: USES (Uses)

(in optical brightening of synthetic fibers)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂- он

1969:12673 CAPLUS AN

70:12673 DN

TI 4, 4'-Bis (4-amino-6-arylamino-s-triazin-2-ylamino)-2,2'stilbenedisulfonic acid

IN Catino, Sigmund C.; Strobel, Albert F.

GAF Corp. PA

U.S., 3 pp. SO

CODEN: USXXAM

DTPatent

LΑ English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 3398143	A	19680820	US 1964-400237	19640929
PRAI US 1964-400237	Α	19640929		
Tm 01160 00 0D				

ΙT 21162-88-9P

> RL: IMF (Industrial manufacture); PREP (Preparation) (preparation of)

21162-88-9 CAPLUS RN

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-CN 1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4ANSWER 821 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1968:468259 CAPLUS

69:68259 DN

Heat-stable optical brightener from bis(triazinylamine)stilbenes ΤI

PA Geigy, J.R., A.-G.

Brit., 16 pp. CODEN: BRXXAA SO

DT Patent

LΑ English

FAN.	CNT 1				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PΙ	GB 1116619		19680606	GB 1967-22189	19670512
	CH 470403			СН	
	DE 1695019			DE	
	FR 1522846			FR	
	US 3472842		19691014	US	19670512
	US 3522185		19700728	US	19690228
PRAI	CH		19660513		
IT	13863-31-5				
	RL: USES (Uses)				
	(a-form of)				
RN	13863-31-5 CAPLUS				
CN	Benzenesulfonic aci	d. 2.2	'-(1.2-ethen	ediv1)bis[5-[[4-[(2-	

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

— cн₂- он

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ANSWER 822 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
AN
     1968:420578 CAPLUS
DN
     69:20578
ΤI
     Brightening of paper
PA
     Geigy, J. R., A.-G.
SO
     Brit., 4 pp.
     CODEN: BRXXAA
DT
     Patent
LΑ
     English
FAN.CNT 1
     PATENT NO.
                         KIND
                                 DATE
                                             APPLICATION NO.
                                                                     DATE
PΙ
     GB 1109537
                                 19680410
                                             GB 1966-55269
                                                                     19661209
     CH 455487
                                             CH
     DE 1696203
                                             DE
     FR 1504243
                                             FR
     US 3475190
                                 19691028
                                                                     19661202
                                             US
PRAI CH
                                 19651210
ΙT
     20579-01-5
     RL: USES (Uses)
        (as fluorescent brightening agent for paper and paper pulp)
RN
     20579-01-5 CAPLUS
CN
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-
     1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)
```

●2 Na

L4 ANSWER 823 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1968:115711 CAPLUS

DN 68:115711

TI New crystallineform of disodium 4,4'-bis(4-anilino-6-morpholino-s-triazin-2-ylamino)-2,2'-stilbenedisulfonate

PA Sterling Drug Inc.

SO Fr., 5 pp. CODEN: FRXXAK

DT Patent

LA French

FAN.CNT 1

IT 16090-02-1

RL: USES (Uses)

(crystalline form from amorphous form)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

2 Na

L4 ANSWER 824 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1968:50979 CAPLUS

DN 68:50979

TI Sodium 4,4'-bis(4-anilino-6-morpholino-s-triazin-2-ylamino)-2,2'-stilbenedisulfonate

IN Delaney, John W.; Crounse, Nathan N.; Heath, James C.; Werner, Raymond E.

PA Sterling Drug Inc.

SO Brit., 5 pp. CODEN: BRXXAA

DT Patent

LA English

10/519,031

177 76 767	CAIM	1
FAN.	CNT	

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 1093507		19671206	GB 1966-19883	19660505
	DE 1620488			DE	
ΙT	16090-02-1				
	RL: USES (Uses)				

RL: USES (Uses)

(crystalline form from amorphous form)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 825 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1968:50953 CAPLUS

DN 68:50953

TI Isomerization in aqueous solution of bis(triazinylamino)stilbene-type fluorescent brightening dyes. I

AU Yamashita, Yoshio; Oryu, Atsuko

CS Kochi Univ., Kochi, Japan

SO Kochi Daigaku Gakujutsu Kenkyu Hokoku (1966), 15, 37-46 CODEN: KDGKAN

DT Journal

LA Japanese

IT 17958-73-5

RL: USES (Uses)

(isomerization in aqueous solns.)

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

NH-СH2-СH2-ОН

L4 ANSWER 826 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1968:36630 CAPLUS

DN 68:36630

TI Use of a fluorescent brightner to demonstrate cellulose in the cellularslime molds

AU Harrington, Brian J.; Raper, Kenneth B.

CS Univ. of Wisconsin, Madison, WI, USA

SO Applied Microbiology (1968), 16(1), 106-13 CODEN: APMBAY; ISSN: 0003-6919

DT Journal

LA English

IT 4193-55-9

RL: ANST (Analytical study)

(in cellulose detection in slime molds)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

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L4 ANSWER 827 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1968:36626 CAPLUS

DN 68:36626

TI Fluorescent agents in experimental surgery

AU Gouaze, A.; Castaing, Jean; Soutoul, J. H.

CS Fac. Med. Tours, Tours, Fr.

SO Bordeaux Chirurgical (1967), (1), 6-16 CODEN: BOCHA6; ISSN: 0006-7660

DT Journal

LA French

IT 19472-73-2

RL: ANST (Analytical study)
(circulation and lymphatic flow and tissue staining by fluorescent action of)

RN 19472-73-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, compd. with 2-aminoethanol (9CI) (CA INDEX NAME)

CM 1

CRN 4404-43-7

CMF C40 H44 N12 O10 S2

PAGE 1-B

— cн₂- он

CM 2

CRN 141-43-5 CMF C2 H7 N O

 $H_2N-CH_2-CH_2-OH$

L4 ANSWER 828 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1968:31050 CAPLUS

DN 68:31050

TI Stilbene optical brighteners

IN Roussos, Michel; Dutheil, Jacques

PA Societe de Produits Chimiques et de Synthese

10/519,031

SO Fr., 3 pp.

CODEN: FRXXAK

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PΙ	FR 1479540		19670505	FR	19660325

IT 17139-47-8P

RL: IMF (Industrial manufacture); PREP (Preparation)
 (preparation of)

RN 17139-47-8 CAPLUS

CN Benzoic acid, 4,4'-[vinylenebis[(3-sulfo-p-phenylene)imino[6-[(3-morpholinopropyl)amino]-s-triazine-4,2-diyl]imino]]di- (8CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

L4 ANSWER 829 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1968:3912 CAPLUS

DN 68:3912

TI Bis(triazinylamino)stilbene fluorescent brightening agents

IN Kleinheidt, Ernst A.; Gold, Heinrich

PA Farbenfabriken Bayer A.-G.

10/519,031 .

SO Ger., 2 pp. CODEN: GWXXAW

DΤ Patent LΑ German

FAN. CNT 1

T. 1-77.4	·CNII				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	- 	-			-
PΙ	DE 1250830		19670928	DE	19650324
	FR 1524762			FR	
	GB 1114021			GB	
	GB 1174631			GB	
	US 3532692		19701006	US	19670502
TΨ	4193-55-9P				

ΙT 4193-55-9P

RL: IMF (Industrial manufacture); PREP (Preparation) (preparation of)

RN 4193-55-9 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-CN hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

— cн₂— он

ANSWER 830 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN L4

1967:444735 CAPLUS ΑN

DN 67:44735

Chromatographic analysis of optical brightening agents TI

ΑU Theidel, Hans; Schmitz, G.

CS Farbenfabriken Bayer A.-G., Leverkusen, Fed. Rep. Ger.

Journal of Chromatography (1967), 27(2), 413-22 SO CODEN: JOCRAM; ISSN: 0021-9673

DT Journal

LA German

IT 17118-42-2 17118-43-3 17118-44-4 17118-45-5 17118-46-6 17118-47-7

RL: ANT (Analyte); ANST (Analytical study)

(chromatog. of)

RN 17118-42-2 CAPLUS CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-, (E)- (8CI) (CA INDEX NAME)

Double bond geometry as shown.

PAGE 1-B

RN 17118-43-3 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-, (Z)- (8CI) (CA INDEX NAME)

Double bond geometry as shown.

PAGE 1-B

RN 17118-44-4 CAPLUS

CN C.I. Fluorescent Brightening Agent 28, (E)- (8CI) (CA INDEX NAME)

Double bond geometry as shown.

RN 17118-45-5 CAPLUS

CN C.I. Fluorescent Brightening Agent 28, (Z) - (8CI) (CA INDEX NAME)

Double bond geometry as shown.

PAGE 1-B

__ OH

RN 17118-46-6 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[(2-hydroxyethyl)methylamino]-s-triazin-2-yl]amino]-, (E)- (8CI) (CA INDEX NAME)

Double bond geometry as shown.

RN 17118-47-7 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[(2-hydroxyethyl)methylamino]-s-triazin-2-yl]amino]-, (Z)- (8CI) (CA INDEX NAME)

Double bond geometry as shown.

PAGE 1-A .

PAGE 1-B

__ OH

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ANSWER 831 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
ΑN
     1967:116250 CAPLUS
DN
     66:116250
TI
     Floor polish composition
PA
     Colgate-Palmolive Co.
SO
     Brit., 8 pp.
     CODEN: BRXXAA
DT
     Patent
LA
    English
FAN.CNT 1
     PATENT NO.
                         KIND
                                DATE
                                            APPLICATION NO.
                                                                   DATE
                                            -----
PΙ
     GB 1062457
                                19670322
                                            GB 1964-30991
                                                                   19640804
PRAI US
                                19630729
IT
     13863-31-5
     RL: USES (Uses)
        (as fluorescent brightening agent in floor-polishing emulsions)
RN
     13863-31-5 CAPLUS
    Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-
CN
    hydroxyethyl) methylamino] -6-(phenylamino) -1,3,5-triazin-2-yl]amino]-,
    disodium salt (9CI) (CA INDEX NAME)
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●2 Na

PAGE 1-B

— cн₂- он

salt (9CI) (CA INDEX NAME)

, L4

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ANSWER 832 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
     1967:106199 CAPLUS
AN
DN
     66:106199
ΤI
     Detergent compositions containing pyrazolines
IN
     Haeusermann, Heinrich; Meyer, Hans Ulrich
PA
     Geigy, J. R., A.-G.
SO
     Patentschrift (Switz.), 4 pp.
     CODEN: SWXXAS
DT
     Patent
LΑ
     German
FAN.CNT 1
     PATENT NO.
                         KIND
                                DATE
                                            APPLICATION NO.
                                                                    DATE
PΙ
     CH 417830
                                19670215
                                            CH 1962-13286
                                                                    19621113
     3271-19-0 13863-31-5
IT
     RL: USES (Uses)
        (as fluorescent brightening agent in pyrazoline derivative-containing
        detergents)
RN
     3271-19-0 CAPLUS
CN
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-
     methoxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium
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10/519,031

SO3H

●2 Na

NHPh

PAGE 1-B

PAGE 1-A

NHPh

SO3H

 \sim NH- CH $_2-$ CH $_2-$ OMe

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

L4 ANSWER 833 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1967:15453 CAPLUS

DN 66:15453

TI Polarized ultraviolet radiation

IN Makas, Albert S.

PA Polaroid Corp.

SO U.S., 3 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
ΡI	US 3276316		19661004	US 1961-128675	19610802	

IT 4404-43-7

RL: PRP (Properties)

(as fluorescent brightening agent, polymer sheet containing, or uv light polarization)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

— сн₂— он

L4 ANSWER 834 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1967:11301 CAPLUS

DN 66:11301

TI Bleaching polyamide plastics and fibers

IN Rzeszowski, Jerzy; Baltorowicz, Marian; Kowalski, Mieczyslaw; Michalak, Sylwester; Kolarz, Zbigniew

PA Instytut Przemyslu Organicznego

SO Pol., 2 pp. CODEN: POXXA7

DT Patent

LA Polish

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	PL 50267		19651201	PL	19640411

IT 16090-02-1

RL: USES (Uses)

(nylon discoloration prevention by)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

L4 ANSWER 835 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1966:474253 CAPLUS

DN 65:74253

OREF 65:13897c-d

TI Molding composition

PA VEB Leuna-Werke "Walter Ulbricht."

SO 3 pp.

DT Patent

LA Unavailable

FAN.CNT 1

PΙ

PATENT NO.	KIND	DATE ,	APPLICATION NO.	DATE
				
FR 1426425		19660128	FR	19650112

IT 4193-55-9, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-, disodium salt (optically brightened moldable materials from polyoxymethylenes and)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

Na

PAGE 1-B

— cн₂- он

L4ANSWER 836 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1966:474236 CAPLUS

DN 65:74236

OREF 65:13893h,13894a

ΤI Heat-stable polyamides

Korshak, V. V.; Krongauz, E. S.; Rusanov, A. L. IN

SO From: Izobret., Prom. Obraztsy, Tovarnye Znaki 43(8), 79(1966)..

DTPatent

LA Unavailable

FAN.CNT 1

	********* =						
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
P	I SU 180796		19660326	SU	19650125		
Ρ.	RAI SU		19650125				

IT 4193-55-9, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-, disodium salt (as optical bleaching agent for heat-stable polyformaldehyde)

RN4193-55-9 CAPLUS

CNBenzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

— cн₂— он

INDEX NAME)

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L4
     ANSWER 837 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
     1966:465967 CAPLUS
AN
     65:65967
DN
OREF 65:12317d-g
TI
     Stilbene optical brighteners
IN
     Geigy A.-G., J. R.
SO
     15 pp.
DT
     Patent
LΑ
     Unavailable
FAN.CNT 1
     PATENT NO.
                        KIND
                               DATE
                                           APPLICATION NO.
                                                                   DATE
                                           -----
PΙ
     NL 6515070
                               19660523
                                           NL 1965-15070
                                                                  19651119
PRAI CH
                                19641120
IT
     10171-23-0, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-
     (2,6-dimethylmorpholino)-s-triazin-2-yl]amino]-, disodium salt
     10210-88-5, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-(2,6-
     dimethylmorpholino)-6-p-toluidino-s-triazin-2-yl]amino]-, disodium salt
        (preparation of)
     10171-23-0 CAPLUS
RN
CN
     2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-(2,6-
     dimethylmorpholino)-s-triazin-2-yl]amino]-, disodium salt (7CI, 8CI) (CA
```

●2 Na

PAGE 1-B

RN 10210-88-5 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-(2,6-dimethylmorpholino)-6-p-toluidino-s-triazin-2-yl]amino]-, disodium salt (7CI, 8CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

`Me

L4ANSWER 838 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

1966:457730 CAPLUS AN

65:57730 DN

OREF 65:10795d-f

Color stabilized paper containing fluorescent dye and titanate

IN Brill, Harold C.; Emslie, Robert S.

PA E. I. du Pont de Nemours & Co.

SO 5 pp.

DTPatent

LΑ Unavailable

FAN.	CNT 1				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	US 3258392		19660628	US 1963-309347	19630916
IT	4193-55-9, 2,2'-Sti	lbenedi	isulfonic ac	id, 4,4'-bis[[4-anili	.no-6-
				2-yl]amino]-, disodiu	ım salt
	(paper containin	g titar	nate pigment	s and)	
RN	4193-55-9 CAPLUS	=			
CNT	Pongonogulfonia sai	A 2 2	/1 2 atham	added the off file of	2

CNBenzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

— cн₂- он

L4ANSWER 839 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN AN 1966:404436 CAPLUS

DN 65:4436

OREF 65:841f-h,842a-f

4,4'-Disubstituted stilbenes ΤI

PA CIBA Ltd.

SO 36 pp.

Patent DT

Unavailable ĽА

FAN.CNT 1 .

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	NL 6507581		19651216	NL 1965-7581	19650614	
PRAI	CH		19640615		•	
IT 856304-67-1, Benzoic acid, 4,4'-[vinylenebis[(3-sulfo-p-						
	phenylene)imino[6-[[2-(2-hydroxyethoxy)ethyl]amino]-s-triazine-4,2-					
	diyl]imino]]di-, dimethyl ester 856304-69-3, Benzoic acid,					
	4,4'-[vinylenebis[(
	hydroxyethoxy)ethyl]amino]-s-triazine-4,2-diyl]imino]]di-, diisopropyl					
	ester	,		., c arjijiminojjar , ar	roopropir	
	CDCCL					

(preparation of)

RN 856304-67-1 CAPLUS

Benzoic acid, 4,4'-[vinylenebis[(3-sulfo-p-phenylene)imino[6-[[2-(2-CN hydroxyethoxy)ethyl]amino]-s-triazine-4,2-diyl]imino]]di-, dimethyl ester (7CI) (CA INDEX NAME)

PAGE 1-A

$$\begin{array}{c|c}
N & NH \\
N & N \\
-CH_2-NH & O
\end{array}$$

RN 856304-69-3 CAPLUS

CN Benzoic acid, 4,4'-[vinylenebis[(3-sulfo-p-phenylene)imino[6-[[2-(2-hydroxyethoxy)ethyl]amino]-s-triazine-4,2-diyl]imino]]di-, diisopropyl ester (7CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

L4 ANSWER 840 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1966:85083 CAPLUS

DN 64:85083

OREF 64:16034c

TI Fluorescent brightening of poly(terephthalate esters)

PA J. R. Geigy A.-G.

SO 11 pp.

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
PI PRAI	NL 6506796 CH		19651130 19640529	NL 1965-6796	19650528		
IT	4404-43-7, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6- [bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]- (bleaching poly(ethylene terephthalate) with)						
RN CN	4404-43-7 CAPLUS Benzenesulfonic aci	.d, 2,2'	-(1,2-ethene	diyl)bis[5-[[4-[bis(2-3,5-triazin-2-yl]amino]	- (9CI) (CA		

-сн $_2$ -он

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ANSWER 841 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
AN
     1966:85082 CAPLUS
DN
     64:85082
OREF 64:16034a-b
ΤI
     Fluorescent brightening of poly (terephthalate esters)
PA
     J. R. Geigy A.-G
so
     6 pp.
DT
     Patent
LΑ
     Unavailable
FAN.CNT 1
                                            APPLICATION NO.
     PATENT NO.
                         KIND
                                DATE
                                                                    DATE
    NL 6506795
PΙ
                                19651130
                                            NL 1965-6795
                                                                    19650528
PRAI CH
                                19640529
     4404-43-7, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-
IT
     [bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-
        (bleaching poly(ethylene terephthalate) with)
     4404-43-7 CAPLUS
RN
CN
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-
     hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI)
                                                                             (CA
     INDEX NAME)
```

— cн₂- он

L4 ANSWER 842 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1966:52786 CAPLUS

DN 64:52786

OREF 64:9905f-g

TI Poly(oxymethylene) articles

PA J. R. Geigy A. -G.

SO 13 pp.

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND DATE APPLICATION NO.		APPLICATION NO.	DATE
					,
PI	BE 652264		19641216	BE	19640825
PRAI	CH		19640604		

IT 6994-54-3, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[bis(2-methoxyethyl)amino]-s-triazin-2-yl]amino]
(as optical brightening agent for polyoxymethylenes)

RN 6994-54-3 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[bis(2-methoxyethyl)amino]-s-triazin-2-yl]amino]- (8CI) (CA INDEX NAME)

----- СН2- ОМе

— СН₂— ОМе

L4 ANSWER 843 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1966:44553 CAPLUS

DN 64:44553

OREF 64:8385c-d

II Finish compositions for textiles

IN Neiditch, O. W.; Rudy, J.

PA Unilever N. V.

SO 29 pp.

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI .	BE 650592		19650115	BE 1965-592	19640715
PRAI	US		19630716		

IT 4193-55-9, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-, disodium salt (textile finishes from quaternary ammonium derivs. and)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

RN

CN

4404-43-7 CAPLUS

INDEX NAME)

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ANSWER 844 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
AN
    1966:36687 CAPLUS
     64:36687
DN
OREF 64:6852e-q
     Improving the color of end group-stabilized polyformaldehydes
     Kaufhold, Robert; Eifert, Werner
IN
SO
DT
    Patent
LΑ
    Unavailable
FAN.CNT 1
    PATENT NO.
                                         APPLICATION NO.
                      KIND DATE
                                                                 DATE
    DD 41417
PΙ
                               19650915
                                                                 19640910
                                          DD
     4404-43-7, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-
ΙT
     [bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-
        (polyoxymethylene stabilization by)
```

hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-

PAGE 1-B

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L4
    ANSWER 845 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
AN
   1966:20506 CAPLUS
     64:20506
DN
OREF 64:3835d-e
     Coating of printed paper with poly(vinyl alcohol) compositions
     Fritzsching, Peter R.; Gilardi, Robert C.
IN
     Cumberland Chemical Corp.
PA
SO
     5 pp.
DT
     Patent
LΑ
     Unavailable
FAN.CNT 1
     PATENT NO.
                         KIND
                               DATE
                                           APPLICATION NO.
                                                                   DATE
```

PΙ US 3218183 19651116 US 1961-114534 19610602 IT 4193-55-9, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-, disodium salt (paper coating with vinyl alc. polymer water-resistant compns. containing fluorescent) RN4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A HO-CH2-CH2 $HO-CH_2-CH_2$ но-сн2-сн2-и - CH2-SO3H SO3H CH= — CH-PhNH

●2 Na

PAGE 1-B

- cн₂- он

L4ANSWER 846 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1966:20060 CAPLUS

64:20060 DN

OREF 64:3743d-e

ΤI 4,4'-Bis(2-m-toluidino-4-monoisopropanolamino-s-triazin-6-ylamino)stilbene-2,2'-disulfonic acid

Obayashi, Kenro; Ishihara, Koichiro IN

Sumitomo Chemical Co., Ltd. PA

so 2 pp.

DTPatent

Unavailable LΑ

FAN.CNT 1

PATENT NO. APPLICATION NO. KIND DATE DATE PΙ JP 40021543 19650924 JΡ 19630903

ΙT 4734-04-7, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-[(2hydroxypropyl)amino]-6-m-toluidino-s-triazin-2-yl]amino]-(preparation of)

RN 4734-04-7 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-[(2-hydroxypropyl)amino]-6-mtoluidino-s-triazin-2-yl]amino]- (7CI, 8CI) (CA INDEX NAME)

PAGE 1-B

L4ANSWER 847 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1966:11914 CAPLUS

64:11914 .DN

OREF 64:2206a-c

Fluorescent brightening agents ΤI

IN

Hartley, Sidney
Imperial Chemical Industries Ltd. PA

SO 4 pp.

DTPatent

LA Unavailable

FAN.	CNT 1						
	PATENT NO.	KIND	DATE .	APPLICATION NO.	DATE		
ΡI	GB 1001713		19650818	GB	19620725		
ΙT	4446-42-8, Benzoic	acid, 4	,4'-[vinyle	nebis[(3-sulfo-p-			
phenylene) imino [6-[[2-(2-hydroxyethoxy) ethyl] amino]-s-triazine-4							
	diyl]imino]]di-, te	trasodi	um salt 444	6-44-0, Benzoic acid,			
	4,4'-[vinylenebis[(3-sulfo-p-phenylene)imino[6-[[2-(2-						
				-4,2-diyl]imino]]di-			
	(preparation of)						
DM	4446-42 0 CARTIC						

4446-42-8 CAPLUS

Benzoic acid, 4,4'-[vinylenebis[(3-sulfo-p-phenylene)imino[6-[[2-(2hydroxyethoxy)ethyl]amino]-s-triazine-4,2-diyl]imino]]di-, tetrasodium salt (7CI, 8CI) (CA INDEX NAME)

HO₂C
$$NH$$
 NH NH SO_3H HO_3S $HO-CH_2-CH_2-OH_2-OH_2-OH_3-OH_3$

●4 Na

PAGE 1-B

RN 4446-44-0 CAPLUS

CN Benzoic acid, 4,4'-[vinylenebis[(3-sulfo-p-phenylene)imino[6-[[2-(2-hydroxyethoxy)ethyl]amino]-s-triazine-4,2-diyl]imino]]di- (7CI, 8CI) (CA INDEX NAME)

PAGE 1-A $\begin{array}{c} & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & & \\ & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\$

PAGE 1-B

L4 ANSWER 848 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1966:11913 CAPLUS

DN 64:11913

OREF 64:2205g-h,2206a

TI Stilbene optical brighteners

PA Hickson & Welch Ltd.

SO 15 pp.

DT Patent

LA Unavailable

FAN.CNT 1

	J. 1. 2				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	BE 659350		19650528	BE	
	FR 1424160			FR	
	NL 6501722			NL	
DDAT	CP		10640212		

PRAI GB 19640213

IT 4446-42-8, Benzoic acid, 4,4'-[vinylenebis[(3-sulfo-p-phenylene)imino[6-[[2-(2-hydroxyethoxy)ethyl]amino]-s-triazine-4,2-diyl]imino]]di-, tetrasodium salt

(preparation of)

RN 4446-42-8 CAPLUS

CN Benzoic acid, 4,4'-[vinylenebis[(3-sulfo-p-phenylene)imino[6-[[2-(2-hydroxyethoxy)ethyl]amino]-s-triazine-4,2-diyl]imino]]di-, tetrasodium salt (7CI, 8CI) (CA INDEX NAME)

●4 Na

PAGE 1-B

L4 ANSWER 849 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1965:411730 CAPLUS

DN 63:11730

OREF 63:2110g-h

TI Labeling of the lymphatic stream by biological fluorescent compounds. Experimental investigation

AU Gouaze, A.; Castaing, J.; Soutoul, J. H.

CS Univ. Tours, Fr.

SO Comptes Rendus des Seances de la Societe de Biologie et de Ses Filiales (1964), 158(12), 2430-4

CODEN: CRSBAW; ISSN: 0037-9026

DT Journal

LA French

IT 4630-43-7, Ethanol, 2-amino-, compds. of, with 4,4'-bis[[4-anilino-6-[bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-2,2'-stilbenedisulfonic acid (1:1)

(in lymph labeling)

RN 4630-43-7 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-, compd. with 2-aminoethanol (1:1) (8CI) (CA INDEX NAME)

CM 1

CRN 4404-43-7

CMF C40 H44 N12 O10 S2

PAGE 1-B

- cн₂- он

CM 2

CRN 141-43-5 CMF C2 H7 N O

 $H_2N-CH_2-CH_2-OH$

L4 ANSWER 850 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1965:403843 CAPLUS

DN 63:3843

OREF 63:731c-f

TI Enhanced bleaching of textiles by combinations of softening and smoothing agents with optical brightening agents

PA Unilever N.V.

SO 21 pp.

DT Patent

LA Unavailable

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	NL 6408162	Α	19650118	NL 1964-8162	19640716
	SE 317643	В	19691124	SE 1964-8643	19640715
	DK 111953	В	19681028	DK 1964-3533	19640716
	CH 472532	Α	19690515	CH 1964-472532	19640716
	DK 114196	В	19690609	DK 1966-2857	19660602
PRAI	US 1963-295543	Α	19630716		

IT 4193-55-9, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-, disodium salt (bleaching (optical) with, enhancement by nitrogenous smoothing and softening agents for textiles)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

•2 Na

PAGE 1-B

- сн₂- он

L4 ANSWER 851 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1965:67093 CAPLUS

DN 62:67093

OREF 62:11963b-c

TI Durable antibacterial textile finish for cellulosic textile material

IN Roth, Philip B.; Hallows, Leonard B.

PA American Cyanamid Co.

SO 5 pp.

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	US 3173841		19650316	US 1962-218851	19620823

IT 4404-43-7, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-

(mixts. with neomycin sulfates and alkaline agents, textile finishing with antibacterial)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

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L4 ANSWER 852 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1965:30077 CAPLUS

DN 62:30077

OREF 62:5369g-h,5370a-e

TI Bis(triazinylamino)stilbene optical brighteners

PA J.R. Geigy A.-G.

SO 9 pp.

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE			
PI	GB 973113		19641021	GB 1961-27226	19610727			
	CH 386436			CH				
	US 3272805		19660913	US 1964-380033	19640702			
PRAI	CH		19600728					
IT	3224-72-4, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[(3-							
	mathamananal\aminal = tui-sia O allaminal disadisa - 1t							

3224-72-4, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[(3-methoxypropyl)amino]-s-triazin-2-yl]amino]-, disodium salt 3224-73-5, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-[(2-ethoxyethyl)amino]-6-p-toluidino-s-triazin-2-yl]amino]-, disodium salt 3227-38-1, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[(2-ethoxyethyl)amino]-s-triazin-2-yl]amino]-, disodium salt 3271-19-0, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[(2-methoxyethyl)amino]-s-triazin-2-yl]amino]-, disodium salt (preparation of)

RN 3224-72-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(3-methoxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

MeO- (CH₂)
$$_3$$
-NH NH NH CH CH NH N N N NHPh SO₃H SO₃H NHPh

●2 Na

PAGE 1-B

-NH-(CH₂)₃-OMe

RN 3224-73-5 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-[(2-ethoxyethyl)amino]-6-p-toluidino-s-triazin-2-yl]amino]-, disodium salt (7CI, 8CI) (CA INDEX NAME)

PAGE 1-A

Me Eto-
$$CH_2$$
- CH_2 - NH NH NH SO_3H HO_3S NH

●2 Na

PAGE 1-B

RN 3227-38-1 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[(2-ethoxyethyl)amino]-s-triazin-2-yl]amino]-, disodium salt (7CI, 8CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

 \sim NH-CH₂-CH₂-OEt

RN 3271-19-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-methoxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

 \sim NH- CH $_2-$ CH $_2-$ OMe

L4 ANSWER 853 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1964:458882 CAPLUS

DN 61:58882

OREF 61:10201b-c

TI Relations between absorption and fluorescence bands of brighteners and fluorescent dyes

AU Pestemer, M.; Berger, A.; Wagner, A.

SO SVF Fachorgan fuer Textilveredlung (1964), 19(6), 420-5 CODEN: SVFTAL; ISSN: 0371-4292

DT Journal

LA Unavailable

IT 4404-43-7, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-

(fluorescence of, absorption maxima in relation to)

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

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L4 ANSWER 854 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN AN 1964:448465 CAPLUS DN 61:48465

OREF 61:8465d-e

TI Bleaching of gray cotton knit goods

IN Rogers, Stuart M.

PA Allied Chemical Corp.

so 4 pp.

DT Patent

LA Unavailable

IT 4193-55-9, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-, disodium salt 4404-43-7, C.I. Fluorescent Brightening Agent 28 (gray cotton goods bleaching by)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

— сн2- он

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CFINDEX NAME)

PAGE 1-B

- cн₂- он

L4 ANSWER 855 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1964:440905 CAPLUS

DN 61:40905

OREF 61:7143d-e

TI Stereochemistry of optical bleaches of the stilbene type

AU Theidel, H.

SO Melliand Textilberichte (1923-1969) (1964), 45(5), 514-19 CODEN: METXAK; ISSN: 0025-8989

DT Journal

LA Unavailable

RN 4404-43-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A

PhNH
N
NH
N
NH
N
NHPh
HO-
$$CH_2-CH_2-N$$
SO3H
SO3H
N- CH_2
CH2- CH_2-OH

PAGE 1-B

— cн₂- он

RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 52435-15-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

— cн₂- он

L4ANSWER 856 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN AN 1964:425928 CAPLUS DN 61:25928 OREF 61:4526f-h ΤI 4,4'-Bis(4-amino-6-anilino-s-triazin-2-ylamino)-2,2'-stilbenedisulfonic IN Koike, Eiji; Obayashi, Kaneaki; Ishihara, Koichiro PA Sumitomo Chemical Co., Ltd. SO 2 pp. DΤ Patent LА Unavailable PATENT NO. KIND DATE APPLICATION NO. DATE PΙ JP 38025828 19631204 JP 19600812 ΙT 21162-88-9, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[(4-amino-6anilino-s-triazin-2-yl)amino]-(preparation of) RN21162-88-9 CAPLUS CNBenzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

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ANSWER 857 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
AN
     1964:425927 CAPLUS
     61:25927
DN
OREF 61:4526a-f
     4,4'-Bis(s-triazin-2-ylamino)-2,2'-disulfostilbenes
IN
     Crounse, Nathan N.; Delaney, John W.
PA
     Sterling Drug Inc.
SO
     34 pp.
DT
     Patent
LA
     Unavailable
FAN.CNT 1
     PATENT NO.
                         KIND
                                 DATE
                                             APPLICATION NO.
                                                                     DATE
PΙ
     FR 1353128
                                 19640221
                                             FR
                                                                     19620216
     GB 997175
                                             GB
     US 3193548
                                 1965
                                             US
PRAI FR
                                 19620216
     106630-25-5, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-
     [[2-[2-(2-hydroxyethoxy)ethoxy]propyl]amino]-s-triazin-2-yl]amino]-
     106884-76-8, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-
     [[3-[2-(2-hydroxyethoxy)ethoxy]propyl]amino]-s-triazin-2-yl]amino]-
        (preparation of)
RN
     106630-25-5 CAPLUS
     2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[[2-[2-(2-
CN
     hydroxyethoxy)ethoxy]propyl]amino]-s-triazin-2-yl]amino]- (7CI)
                                                                        (CA INDEX
     NAME)
```

RN 106884-76-8 CAPLUS
CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[[3-[2-(2-hydroxyethoxy]propyl]amino]-s-triazin-2-yl]amino]- (7CI) (CA INDEX NAME)

PAGE 1-B

L4 ANSWER 858 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1964:413145 CAPLUS

61:13145 DN

OREF 61:2217h,2218a

TI Effect of brightener on spore germination

ΑU Darken, Marjorie A.; Swift, Marjorie E.

CS

Am. Cyanamid Co., Pearl River, NY Mycologia (1964), 56, 158-62 SO CODEN: MYCOAE; ISSN: 0027-5514

DT Journal

LΑ Unavailable

IT4193-55-9, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-, disodium salt (effect on spore germination)

4193-55-9 CAPLUS RN

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

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L4
     ANSWER 859 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
AN
     1964:68692 CAPLUS
DN
     60:68692
OREF 60:12138h,12139a-c
     Fluorescent bleaching agents. X. The characteristics of fluorescent
     bleaching agents of the triazinylstilbene series. Several amino
     derivatives
ΑU
     Hayashi, Masako; Yabe, Akihiko
CS
     Ochanomizu Univ., Tokyo
SO
     Kogyo Kagaku Zasshi (1960), 63(6), 991-6
     CODEN: KGKZA7; ISSN: 0368-5462
DT
     Journal
LΑ
     Unavailable
IT.
     4404-43-7, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-
     [bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]- 31449-69-1,
     2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[(2-
     hydroxyethyl)amino]-s-triazin-2-yl]amino]- 35632-99-6,
     2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-(methylamino)-s-
     triazin-2-yl]amino] - 54822-17-2, 2,2'-Stilbenedisulfonic acid,
     4,4'-bis[[4-anilino-6-(ethylamino)-s-triazin-2-yl]amino]-
     105975-61-9, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-[(2-
     hydroxyethyl)amino]-6-p-phenetidino-s-triazin-2-yl]amino]-
     111637-18-4, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-[bis(2-
     hydroxyethyl)amino]-6-p-phenetidino-s-triazin-2-yl]amino]-
        (spectrum, fluorescence and dyeing behavior of)
RN
     4404-43-7 CAPLUS
CN
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-
     hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI)
                                                                            (CA
     INDEX NAME)
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- сн $_2-$ он

RN 31449-69-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

∠ NH - CH2 - CH2 - OH

RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 54822-17-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(ethylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 105975-61-9 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-[(2-hydroxyethyl)amino]-6-p-phenetidino-s-triazin-2-yl]amino]- (7CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

RN 111637-18-4 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-[bis(2-hydroxyethyl)amino]-6-p-phenetidino-s-triazin-2-yl]amino]- (7CI) (CA INDEX NAME)

PAGE 1-B

$$CH_2-CH_2-OH$$
 CH_2-OH

L4 ANSWER 860 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1964:63638 CAPLUS

DN 60:63638

OREF 60:11229f

TI The tissue affinity of one hundred forty-eight fluorescent organic compounds

AU Gouaze, A.; Castaing, J.

CS Fac. Med., Tours, Fr.

SO Compt. Rend. (1963), 257(26), 4230-3

DT Journal

LA French

IT 4630-43-7, Ethanol, 2-amino-, compds. of, with
4,4'-bis[[4-anilino-6-[bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]2,2'-stilbenedisulfonic acid
 (tissue affinity for)

RN 4630-43-7 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-, compd. with 2-aminoethanol (1:1) (8CI) (CA INDEX NAME)

CM 1

CRN 4404-43-7

CMF C40 H44 N12 O10 S2

PAGE 1-B

- cн₂- он

CM 2

CRN 141-43-5 CMF C2 H7 N O

 $H_2N-CH_2-CH_2-OH$

L4 ANSWER 861 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1964:61518 CAPLUS

DN 60:61518

OREF 60:10860d-f

- TI Fluorescent bleaching agents. IX. Relation between fluorescent intensity and concentration of fluorescent bleaching agents on the substrate. The constant of Merritt's equation
- AU Yabe, Akihiko; Hayashi, Masako
- CS Ochanomizu Univ., Tokyo
- SO Kogyo Kagaku Zasshi (1960), 63(6), 987-90 CODEN: KGKZA7; ISSN: 0368-5462
- DT Journal
- LA Unavailable
- RN 20579-01-5 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

- L4 ANSWER 862 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1963:424556 CAPLUS
- DN 59:24556
- OREF 59:4466h,4467a-b
- TI Toxicologic studies on brighteners
- AU Snyder, Fred H.; Opdyke, Donald L.; Rubenkoenig, Harry L.
- CS Procter & Gamble Co., Cincinnati, OH, USA
- SO Toxicology and Applied Pharmacology (1963), 5, 176-83 CODEN: TXAPA9; ISSN: 0041-008X
- DT Journal
- LA Unavailable
- IT 49596-32-9, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[(4-p-anisidino-6-morpholino-s-triazin-2-yl)amino]-, disodium salt (toxicology of)
- RN 49596-32-9 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(4-methoxyphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

L4 ANSWER 863 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

ΑN 1963:34959 CAPLUS

DN 58:34959

OREF 58:6012a-c

ΤI Absorption and transport of fluorescent brighteners by microorganisms

ΑU Darken, Marjorie A.

CS Am. Cyanamid Co., Pearl River, NY

SO Applied Microbiology (1962), 10, 387-93

CODEN: APMBAY; ISSN: 0003-6919

DT Journal

LA Unavailable

ΙT 4193-55-9, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-, disodium salt (absorption and transport by microorganisms)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

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L4
     ANSWER 864 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
AN
     1963:29402 CAPLUS
DN
     58:29402
OREF 58:4956d-e
ΤI
     Fluorescent compounds for detecting vascular conditions
PA
     Societe de Produits Chimiques et de Synthese
SO
     8 pp.
DT
     Patent
LΑ
     Unavailable
     PATENT NO.
                         KIND
                                DATE
                                            APPLICATION NO.
                                                                   DATE
     --------
     FR M670
                                19610814
PΙ
                                            FR
                                                                   19600713
     4630-43-7, Ethanol, 2-amino-, compound with 4,4'-bis[[4-anilino-6-
IT
     [bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-2,2'-stilbenedisulfonic
     acid
        (in staining of blood vessels and tissue)
     4630-43-7 CAPLUS
RN
     2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[bis(2-
CN
     hydroxyethyl)amino]-s-triazin-2-yl]amino]-, compd. with 2-aminoethanol
     (1:1) (8CI) (CA INDEX NAME)
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CM 1

CRN 4404-43-7

CMF C40 H44 N12 O10 S2

— cн₂- он

CM 2

CRN 141-43-5 CMF C2 H7 N O

 $H_2N-CH_2-CH_2-OH$

```
ANSWER 865 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
AN
     1962:457092 CAPLUS
     57:57092
DN
OREF 57:11415i,11416a-b
     Neomycin-treated cellulosic textile materials
TI
PA
     American Cyanamid Co.
     8 pp.; Addn. to Brit. 788,968, (CA 52, 10601b)
SO
DT
     Patent
LА
     English
     PATENT NO.
                        KIND
                                DATE
                                            APPLICATION NO.
                                                                   DATE
                                            ______
ΡI
     GB 900803
                                19620711
                                            GB 1959-36877
                                                                   19591030
PRAI US
                                19581103
IT
     4404-43-7, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-
     [bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-
        (bleaching of neomycin-treated textiles by)
RN
     4404-43-7 CAPLUS
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-
CN
     hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI)
     INDEX NAME)
```

— cн₂- он

L4 ANSWER 866 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1962:73995 CAPLUS

DN 56:73995

OREF 56:14441b-e

TI Optical bleaching agents

IN Schwalenberg, Albert; Laqua, Horst

PA VEB Farbenfabriken Wolfen

DT Patent

LA Unavailable

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DD 20794		19610207	DD	19570818

IT 106424-45-7, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[methyl(2-sulfoethyl)amino]-s-triazin-2-yl]amino]-, disodium salt (preparation of)

RN 106424-45-7 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[methyl(2-sulfoethyl)amino]-s-triazin-2-yl]amino]-, disodium salt (7CI) (CA INDEX NAME)

PAGE 1-A

DATE

L4 ANSWER 867 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

KIND

AN 1962:54504 CAPLUS

DN 56:54504

OREF 56:10429a-c

TI Optical bleaching agents for paper

IN Gessner, Joseph; Seyler, Ralph C.

PA E. I. du Pont de Nemours & Co.

DT Patent

LA Unavailable

PATENT NO.

PI DE 1119646 19611214 DE 1959-P24123 19591221
IT 4404-43-7, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino](salts, fluorescent bleaching agents for paper)
RN 4404-43-7 CAPLUS

APPLICATION NO.

DATE

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

— cн₂- он

L4 ANSWER 868 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1962:47621 CAPLUS

DN 56:47621

OREF 56:9064h-i

- TI Depolarization of the fluorescence of proteins labeled with various fluorescent dyes
- AU Chadwick, C. S.; Johnson, P.
- CS Univ. Cambridge, UK
- SO Biochimica et Biophysica Acta (1961), 53, 482-9 CODEN: BBACAQ; ISSN: 0006-3002
- DT Journal
- LA English
- IT 31449-69-1, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-(protein conjugate from, fluorescence depolarization of)
- RN 31449-69-1 CAPLUS
- CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

 \sim NH- CH $_2-$ CH $_2-$ OH

- L4 ANSWER 869 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1962:39048 CAPLUS
- DN 56:39048
- OREF 56:7467e-f
- TI Fluorescent dyes. I. Syntheses and properties of bis(triazinylamino)stilbene derivatives
- AU Noguchi, Tamehiko
- CS Nippon Kayaku Co.
- SO Yuki Gosei Kagaku Kyokaishi (1961), 19, 920-30 CODEN: YGKKAE; ISSN: 0037-9980
- DT Journal
- LA Unavailable
- IT 16090-02-1, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[(4-anilino-6-morpholino-s-triazin-2-yl)amino]-, disodium salt 25802-01-1, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-[(2-aminoethyl)(2-hydroxyethyl)amino]-6-anilino-s-triazin-2-yl]amino]-, disodium salt 36587-39-0, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-o-anisidino-6-[(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-, disodium salt 105819-42-9, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[(2-hydroxy-1-methylpropyl)amino]-s-triazin-2-yl]amino]-, disodium salt 106215-31-0, Anthranilic acid, N,N'-[vinylenebis[(3-sulfo-p-phenylene)imino(6-morpholino-s-triazine-4,2-diyl)]]di-, tetrasodium salt 106360-14-9, Anthranilic acid, N,N'-[vinylenebis[(3-sulfo-p-phenylene)imino[6-[(2-hydroxyethyl)amino]-s-triazine-4,2-diyl]]di-, tetrasodium salt 106423-92-1, Benzoic acid, 3,3'-[vinylenebis[(3-sulfo-p-phenylene)imino[6-[(2-hydroxyethyl)amino]-s-triazine-4,2-diyl]]di-, sulfo-p-phenylene)imino[6-[(2-hydroxyethyl)amino]-s-triazine-4,2-diyl]]di-

diyl]imino]]di-, tetrasodium salt 106424-44-6, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-[(2-hydroxyethyl)amino]-6-o-toluidino-s-triazin-2-yl]amino]-, disodium salt 106572-42-3, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[(3-morpholinopropyl)amino]-s-triazin-2-yl]amino]-, disodium salt 107386-81-2, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[(2-hydroxyethyl)(2-hydroxypropyl)amino]-s-triazin-2-yl]amino]-, disodium salt

(synthesis of, and evaluation as fluorescent bleach for cotton and nylon)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 25802-01-1 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-[(2-aminoethyl)(2-hydroxyethyl)amino]-6-anilino-s-triazin-2-yl]amino]-, disodium salt (7CI, 8CI) (CA INDEX NAME)

---- CH2-NH2

-сн $_2$ -он

RN 36587-39-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-[(2-methoxyphenyl)amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

--- сн2-- он

RN 105819-42-9 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[(2-hydroxy-1-methylpropyl)amino]-s-triazin-2-yl]amino]-, disodium salt (7CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

RN 106215-31-0 CAPLUS

CN Anthranilic acid, N,N'-[vinylenebis[(3-sulfo-p-phenylene)imino(6-morpholino-s-triazine-4,2-diyl)]]di-, tetrasodium salt (7CI) (CA INDEX NAME)

PAGE 1-A

●4 Na

PAGE 1-B

RN 106360-14-9 CAPLUS

CN Benzoic acid, 2,2'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[(2-hydroxyethyl)amino]-1,3,5-triazine-4,2-diyl]imino]]bis-, tetrasodium salt (9CI) (CA INDEX NAME)

●4 Na

PAGE 1-B

- сн $_2$ - сн $_2$ - он

RN 106423-92-1 CAPLUS

CN Benzoic acid, 3,3'-[vinylenebis[(3-sulfo-p-phenylene)imino[6-[(2-hydroxyethyl)amino]-s-triazine-4,2-diyl]imino]]di-, tetrasodium salt (7CI) (CA INDEX NAME)

PAGE 1-A

4 Na

PAGE 1-B

RN 106424-44-6 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-[(2-hydroxyethyl)amino]-6-o-toluidino-s-triazin-2-yl]amino]-, disodium salt (7CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

- сн₂- сн₂- он

RN 106572-42-3 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[(3-morpholinopropyl)amino]-s-triazin-2-yl]amino]-, disodium salt (7CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

RN 107386-81-2 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[(2-hydroxyethyl)(2-hydroxypropyl)amino]-s-triazin-2-yl]amino]-, disodium salt (7CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

— Ме

CN

ΙT 4193-55-9, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-, disodium salt 13863-31-5, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[(2-hydroxyethyl)methylamino]-s-triazin-2-yl]amino]-, disodium salt 17958-73-5, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-, disodium salt 20579-01-5, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[(4-amino-6anilino-s-triazin-2-yl)amino]-, disodium salt 22945-48-8, Benzoic acid, 4,4'-[vinylenebis(3-sulfo-p-phenylene)imino(6-amino-striazine-4,2-diyl)imino]]di-, tetrasodium salt 32257-56-0, Benzoic acid, 4,4'-[vinylenebis[(3-sulfo-p-phenylene)imino[6-[(2hydroxyethyl)amino]-s-triazine-4,2-diyl]imino]]di-, tetrasodium salt 32694-95-4, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[(2-hydroxypropyl)amino]-s-triazin-2-yl]amino]-, disodium salt 93778-02-0, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[bis(2-hydroxypropyl)amino-s-triazin-2-yl]amino]-, disodium salt (synthesis, spectrum and evaluation as fluorescent bleach for cotton and nylon)

RN 4193-55-9 CAPLUS

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

$$HO-CH_2-CH_2$$
 $HO-CH_2-CH_2$
 $HO-C$

●2 Na

PAGE 1-B

- сн $_2$ - он

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

— cн₂- он

RN 17958-73-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PÄGE 1-B

~ NH- CH2- CH2- OH

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

RN 22945-48-8 CAPLUS

CN Benzoic acid, 4,4'-[vinylenebis[(3-sulfo-p-phenylene)imino(6-amino-s-triazine-4,2-diyl)imino]]di-, disodium salt (8CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

RN 32257-56-0 CAPLUS

CN Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[(2-hydroxyethyl)amino]-1,3,5-triazine-4,2-diyl]imino]]bis-, tetrasodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

HO2C
$$NH$$
 NH NH SO_3H HO_3S $HO-.CH_2-CH_2-NH$

●4 Na

PAGE 1-B

RN 32694-95-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

RN 93778-02-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

— Ме

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L4
     ANSWER 870 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
AN
     1962:32453 CAPLUS
DN
     56:32453
OREF 56:6225c-d,6226a
ΤI
     Whitening composition for paper
IN
     Gessner, Joseph; Crawford, Ralph
     E. I. du Pont de Nemours & Co.
PA
DT
     Patent
LΑ
     Unavailable
     PATENT NO.
                         KIND
                                DATE
                                             APPLICATION NO.
                                                                    DATE
PΙ
     US 3012971
                                19611212
                                            US 1959-804597
                                                                    19590407
IT
     4404-43-7, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-
     [bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-
        (whitening compns. with amino alcs. for paper)
RN
     4404-43-7 CAPLUS
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-
CN
     hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI)
     INDEX NAME)
```

PAGE 1-B

-- сн2-- он

L4 ANSWER 871 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1962:26480 CAPLUS

DN 56:26480 OREF 56:5072f-h

TI Study of some textile optical bleaching agents from the point of view of

10/519,031

their carcinogenic activity

AU Neukomm, S.; Trey, M. de

CS Centre Anticancereux Remand, Laussane, Switz.

SO Medicina Experimentalis (1961), 4, 298-306

CODEN: MEXPAG; ISSN: 0543-3010

DT Journal

LA Unavailable

IT 13863-31-5, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6[(2-hydroxyethyl)methylamino]-s-triazin-2-yl]amino]-, disodium salt
(carcinogenicity and toxicity of)

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

-- сн2- он

L4 ANSWER 872 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1962:19139 CAPLUS

DN 56:19139

OREF 56:3676c-f

TI Aggregation of dyes. I. Aggregation of fluorescent whitening dyes on cellulosic substrates

AU Hayashi, Masako

CS Ochanomizu Women's Univ., Tokyo

SO Kogyo Kagaku Zasshi (1960), 63, 118-22

10/519,031

CODEN: KGKZA7; ISSN: 0368-5462

DTJournal

LΑ Unavailable

IT 4193-55-9, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-[bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-, disodium salt (aggregation on cellophane, effect of NaCl and Na dodecyl sulfate on)

RN 4193-55-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

PAGE 1-B

-- сн2- он

17958-73-5, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-ΙT [(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-, disodium salt 31900-04-6, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-(methylamino)-s-triazin-2-yl]amino]-, disodium salt (aggregation on sulfate, effect of NaCl and Na dodecyl sulfate on)

17958-73-5 CAPLUS RN

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

~ ин- сн₂- сн₂- он

RN 31900-04-6 CAPLUS

(preparation of)

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4ANSWER 873 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN 1961:114882 CAPLUS ANDN 55:114882 OREF 55:21604h-i,21605a-b 4,4'-Diaminostilbene-2,2'-disulfonic acid derivatives as optical bleaching agents IN Schwalenberg, Albert DTPatent LA Unavailable FAN.CNT 1 PATENT NO. KIND APPLICATION NO. DATE DATE PΙ DD 20157 19601020 DD IT 31449-69-1, 2,2'-Stilbenedisulfonic acid, 4,4'-bis{[4-anilino-6-(2hydroxyethylamino)-s-triazin-2-yl]amino}-

RN 31449-69-1 CAPLUS
CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CFINDEX NAME)

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L4
     ANSWER 874 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
AN
     1961:78775 CAPLUS
DN
     55:78775
OREF 55:14921h-i,14922a-b
     Relation between constitution and accumulation of textile optical
     bleaching agents
ΑIJ
     Hausermann, H.; Keller, R.
CS
     J. R. Geigy Akt.-Ges., Basel, Switz.
SO
     Textil-Rundschau (1961), 16, 176-80
     CODEN: TERUAA; ISSN: 0371-6465
DT
     Journal
LА
     Unavailable
IT
     4193-55-9, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-
     [bis(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-, disodium salt
     13863-31-5, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-
     [(2-hydroxyethyl)methylamino]-s-triazin-2-yl]amino]-, disodium salt
     16090-02-1, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[(4-anilino-6-
    morpholino-s-triazin-2-yl)amino]-, disodium salt 24019-81-6,
     2,2'-Stilbenedisulfonic acid, 4,4'-bis[(4-morpholino-6-p-toluidino-s-
     triazin-2-yl)amino]-, disodium salt 24565-13-7,
     2,2'-Stilbenedisulfonic acid, 4,4'-bis[(4-anilino-6-ethylamino-s-triazin-2-
     yl)amino]-, disodium salt 31001-71-5, 2,2'-Stilbenedisulfonic
     acid, 4,4'-bis[(4-anilino-6-dimethylamino-s-triazin-2-yl)amino]-, disodium
     salt 108480-90-6, 2,2'-Stilbenedisulfonic acid,
     4,4'-bis[[4-(2-hydroxyethylamino)-6-p-toluidino-s-triazin-2-yl]amino]-,
     disodium salt 108847-61-6, 2,2'-Stilbenedisulfonic acid,
     4,4'-bis[[4-[bis(2-hydroxyethyl)amino]-6-p-toluidino-s-triazin-2-yl]amino]-
     , disodium salt 108847-63-8, 2,2'-Stilbenedisulfonic acid,
     4,4'-bis[[4-[ethyl(2-hydroxyethyl)amino]-6-p-toluidino-s-triazin-2-
     yl]amino]-, disodium salt 122410-73-5, 2,2'-Stilbenedisulfonic
     acid, 4,4'-bis[(4-anilino-6-benzylamino-s-triazin-2-yl)amino]-, disodium
     salt
        (preparation of)
RN
     4193-55-9 CAPLUS
CN
    Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-
    hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium
    salt (9CI)
                (CA INDEX NAME)
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●2 Na

PAGE 1-B

— cн₂- он

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

●2 Na

— cн₂.— он

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 24019-81-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(4-methylphenyl)amino]-6-(4-morpholinyl)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

RN 24565-13-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(ethylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

RN 31001-71-5 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-(dimethylamino)-s-triazin-2-yl]amino]-, disodium salt (6CI, 8CI) (CA INDEX NAME)

•2 Na

RN 108480-90-6 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-(2-hydroxyethylamino)-6-p-toluidino-s-triazin-2-yl]amino]-, disodium salt (6CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

RN 108847-61-6 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-[bis(2-hydroxyethyl)amino]-6-p-toluidino-s-triazin-2-yl]amino]-, disodium salt (6CI) (CA INDEX NAME)

2 Na

PAGE 1-B

$$-$$
 NH Me
 $-$ CH₂- CH₂- OH
 $-$ CH₂- OH

RN 108847-63-8 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-[ethyl(2-hydroxyethyl)amino]-6-p-toluidino-s-triazin-2-yl]amino]-, disodium salt (6CI) (CA INDEX NAME)

PAGE 1-A

•2 Na

PAGE 1-B

$$\begin{array}{c|c} N & \text{NH} \\ N & \text{N} \\ N - \text{CH}_2 - \text{CH}_2 - \text{OH} \\ \\ \text{Et} \end{array}$$

RN 122410-73-5 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[(4-anilino-6-benzylamino-s-triazin-2-yl)amino]-, disodium salt (6CI) (CA INDEX NAME)

•2 Na

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L4
     ANSWER 875 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
AN
     1961:10887 CAPLUS
DN
     55:10887
OREF 55:2122h-i,2123a
     Bis(triazinylamino)stilbene type fluorescent dye
TI
     Noguchi, Tamehiko
IN
PA
     Nippon Kayaku Co., Ltd.
DT
     Patent
LΑ
     Unavailable
FAN.CNT 1
     PATENT NO.
                          KIND
                                 DATE
                                              APPLICATION NO.
                                                                      DATE
PΙ
     JP 35014230
                                 19600928
                                              JP
IT
     21162-88-9, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[(4-amino-6-
     anilino-s-triazin-2-yl)amino]-
        (preparation of)
     21162-88-9 CAPLUS
RN
CN
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-
     1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)
                             CH== CH
H<sub>2</sub>N
                         SO3H
                               HO<sub>3</sub>S
       NHPh
                                                     NHPh
L4
     ANSWER 876 OF 904
                        CAPLUS COPYRIGHT 2006 ACS on STN
AN
     1960:77310 CAPLUS
DN
     54:77310
OREF 54:14707g-i
     Derivatives of 4,4'-bis(1,3,5-triazin-6-ylamino)stilbene-2,2'-disulfonic
IN
     Noguchi, Tamehiko; Sumitani, Mitsukuni
PA
     Nippon Kayaku Co.
DT
     Patent
LΑ
     Unavailable
FAN.CNT 1
     PATENT NO.
                          KIND
                                 DATE
                                             APPLICATION NO.
                                                                      DATE
ΡI
     JP 34005880
                                 19590704
                                              JP
TΤ
     4404-43-7, 2,2'-Stilbenedisulfonic acid, 4,4'-bis{{4-anilino-6-
     [bis(2-hydroxyethyl)amino]-s-triazin-2-yl}amino]- 31449-69-1,
     2,2'-Stilbenedisulfonic acid, 4,4'-bis{[4-anilino-6-(2-hydroxyethylamino)-
     s-triazin-2-yl]amino}- 35632-99-6, 2,2'-Stilbenedisulfonic acid,
     4,4'-bis[(4-anilino-6-methylamino-s-triazin-2-yl)amino]-
        (preparation of)
RN
     4404-43-7 CAPLUS
     Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-
CN
     hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI)
     INDEX NAME)
```

PAGE 1-B

- сн₂- он

RN 31449-69-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

 \sim NH-CH₂-CH₂-OH

RN 35632-99-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

NHPh SO3H SO3H NHPh NHPh NHPh NHMe

10/519,031

AN 1960:11587 CAPLUS

DN 54:11587

OREF 54:2382a-b

4,4'-Bis(2-anilino-4-monoisopropanolamino-1,3,5-triazin-6yl)diaminostilbene-2,2'-disulfonic acid and its salt Ono, Shinjiro; Noguchi, Tamehiko

IN

Nippon Chemical Drug Co. PA

DTPatent

LА Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
		-			
рT	TP 33007641		19580830	.тр	

ΡI

IT 32694-95-4, 2,2'-Stilbenedisulfonic acid, 4,4'-bis{{4-anilino-6-[(2-hydroxypropyl)amino]-s-triazin-2-yl}amino}-, disodium salt 68134-08-7, 2,2'-Stilbenedisulfonic acid, 4,4'-bis{{4-anilino-6-[(2-hydroxypropyl)amino]-s-triazin-2-yl}amino}-(preparation of)

RN 32694-95-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2hydroxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

•2 Na

PAGE 1-B

RN 68134-08-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2hydroxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) INDEX NAME)

PAGE 1-B

L4 ANSWER 878 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1959:91783 CAPLUS

DN 53:91783

OREF 53:16542f-i

TI Fluorescence and dyeing characteristics of fluorescent whitening dyes of the triazinylstilbene series. III. Combined derivatives of different amino or hydroxyl groups

AU Yabe, Akihiko; Hayashi, Masako

CS Ochanomizu Woman's Univ., Tokyo

SO Kogyo Kagaku Zasshi (1958), 61, 78-82 CODEN: KGKZA7; ISSN: 0368-5462

DT Journal

LA Unavailable

RN 21162-88-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 879 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1959:86585 CAPLUS

10/519,031

DN 53:86585

OREF 53:15585d-e

Optical bleaching agents

Fleischhauer, Richard; Aldebert, Friedrich IN

PA Cassella Farbwerke Mainkur Akt.-Ges.

DTPatent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	DE 1011889		19570711	DE 1956-C13205	19560614

IT 117042-38-3, Benzoic acid, 4,4'-{vinylenebis[(3-sulfo-pphenylene)imino(6-methylamino-s-triazine-4,2-diyl)imino]}di-(preparation of)

117042-38-3 CAPLUS RN

CN Benzoic acid, 4,4'-[vinylenebis[(3-sulfo-p-phenylene)imino(6-methylamino-striazine-4,2-diyl)imino]]di- (6CI) (CA INDEX NAME)

PAGE 1-B

L4ANSWER 880 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1959:42359 CAPLUS

53:42359 DN

OREF 53:7599f-h

ΤI Synthesis of fluorescent white dyes of triazinylstilbene series

ΑU Yabe, Akihiko; Hayashi, Masako

CS Ochanomizu Univ. Women, Tokyo

Kogyo Kagaku Zasshi (1957), 60, 604-11 SO CODEN: KGKZA7; ISSN: 0368-5462

DTJournal

LΑ Unavailable

20579-01-5, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[(4-amino-6anilino-s-triazin-2-yl)amino]-, disodium salt (preparation and spectrum of)

RN 20579-01-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

Na

ANSWER 881 OF 904 L4CAPLUS COPYRIGHT 2006 ACS on STN 1959:34660 CAPLUS AN 53:34660 DN

OREF 53:6165g-i,6166a-d

Alkoxydiaminostilbenedisulfonic acids

IN Long, Robert S.; Kantor, Alice K.

PA American Cyanamid Co.

DTPatent

Unavailable LΑ

FAN.CNT 1

PATENT NO. KIND APPLICATION NO. DATE DATE ΡI US 2848484 19580819 131731-33-4, 2,2'-Stilbenedisulfonic acid, 4,4'-bis{[4-anilino-6-IT (2-hydroxyethylamino)-s-triazin-2-yl]amino}-5,5'-diethoxy-(preparation of) RN131731-33-4 CAPLUS

2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-(2-hydroxyethylamino)-CN s-triazin-2-yl]amino]-5,5'-diethoxy- (6CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

 \sim NH-CH₂-CH₂-OH

L4ANSWER 882 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1958:66353 CAPLUS

DN 52:66353

OREF 52:11973f-h

ΤI 4,4'-Bis[2-anilino-4-diisopropanolamino-6-(1,3,5-triazinyl)] diaminostilbene-2,2'-disulfonic acid and its salts

IN Ono, Shinjiro; Noguchi, Tamehiko

10/519,031

PA Nippon Chemical Drug Co.

DT Patent

LA Unavailable

FAN.CNT 1

RN 93778-02-0 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

•2 Na

PAGE 1-B

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RN 108924-47-6 CAPLUS

CN Metanilic acid, 6,6'-vinylenebis[N-[4-anilino-6-[bis(2-hydroxypropyl)amino]-s-triazin-2-yl]- (6CI) (CA INDEX NAME)

PAGE 1-B

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L4
     ANSWER 883 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
AN
     1958:58832 CAPLUS
     52:58832
DN
OREF 52:10595h-i
     Water-soluble phthalocyanine dye
IN
     Iino, Keiji
DT
     Patent
LΑ
     Unavailable
FAN.CNT 1
     PATENT NO.
                         KIND
                                DATE
                                            APPLICATION NO.
                                                                   DATE
     -----
PΙ
     JP 32006733
                                19570826
ΙT
     133102-27-9, Benzoic acid, 4,4'-{vinylenebis{(3-sulfo-p-
     phenylene)imino(6-[(carboxymethyl)methylamino]-s-triazine-4,2-
     diyl}imino}}di-, hexasodium salt
        (preparation of)
RN
     133102-27-9 CAPLUS
CN
     Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-
     [(carboxymethyl)methylamino]-1,3,5-triazine-4,2-diyl]imino]]bis-,
```

hexasodium salt (9CI) (CA INDEX NAME)

●6 Na

PAGE 1-B

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L4 ANSWER 884 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
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AN 1958:58831 CAPLUS

DN 52:58831

OREF 52:10595g-h

TI Fluorescent bleaching dyes

IN Koike, Eiichi; Ebara, Tetsuro

PA Sumitomo Chemical Co., Ltd.

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 32006643		19570824	JP	
IT	133102-27-9, Benzoi	c acid,	4,4'-{vinyl	enebis{(3-sulfo-p-	
	phenylene)imino{6-[(carbox)	ymethyl)meth	ylamino]-s-triazine-4,	2-
	diyl)imino})di-, he:	xasodiw	m salt	-	

(preparation of) RN 133102-27-9 CAPLUS

CN Benzoic acid, 4,4'-[1,2-ethenediylbis[(3-sulfo-4,1-phenylene)imino[6-[(carboxymethyl)methylamino]-1,3,5-triazine-4,2-diyl]imino]]bis-, hexasodium salt (9CI) (CA INDEX NAME)

●6 Na

PAGE 1-B

L4 ANSWER 885 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1957:87106 CAPLUS

DN 51:87106

OREF 51:15805a-b

TI Clinical and experimental studies on the tolerance of skin to optical bleaching agents

AU Schulz, K. H.; Wulf, K.

CS Univ. Hamburg, Germany

SO Arzneimittel-Forsch. (1957), 7, 402-4

DT Journal

LA Unavailable

IT 16090-02-1, Blankophor BBH (skin tolerance to)

RN 16090-02-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

10/519,031

L4 ANSWER 886 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1957:52180 CAPLUS

DN 51:52180 OREF 51:9718e-h

TI Preparation of triazine trioxides using H2SO5

IN Schroeder, Hansjuergen A.

PA Olin Mathieson Chemical Corp.

DT Patent

LA Unavailable

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI US 2780622 19570205 US

IT 13863-31-5, 2,2'-Stilbenedisulfonic acid, 4,4'-bis{{4-anilino-6[(2-hydroxyethyl)methylamino]-s-triazin-2-yl}amino}-, disodium salt
108847-62-7, 2,2'-Stilbenedisulfonic acid, 4,4'-bis{{4-p-anisidino-6-[ethyl(2-hydroxyethyl)amino]-s-triazin-2-yl}amino}-, disodium salt
(preparation of)

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

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•2 Na

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RN 108847-62-7 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-p-anisidino-6-[ethyl(2-

hydroxyethyl)amino]-s-triazin-2-yl]amino]-, disodium salt (6CI) (CA INDEX NAME)

●2 Na

PAGE 1-B

L4 ANSWER 887 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1957:32220 CAPLUS

DN 51:32220

OREF 51:6173f-g

TI Azophthalocyanine dyes

PA Durand & Huguenin A.-G.

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE			
ΡI	CH 311212	•	19560131	СН				
ΙT	32694-95-4, 2,2'-St	ilbenec	disulfonic	acid, 4,4'-bis[[4-anilin	0-6-			
	[(2-hydroxypropyl)amino]-s-triazin-2-yl]amino]-, disodium salt							
	131731-35-6, 2,2'-5	Stilbene	edisulfonic	acid, 4,4'-bis[[4-o-ani	sidino-			
	6-[(2-hydroxypropy]	.)amino]	-s-triazin	1-2-yl]amino]-, disodium	salt			
	(preparation of)			_				

RN 32694-95-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

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RN 131731-35-6 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-o-anisidino-6-[(2-hydroxypropyl)amino]-s-triazin-2-yl]amino]-, disodium salt (6CI) (CA INDEX NAME)

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ANSWER 888 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN
L4
AN
    1957:21987 CAPLUS
DN
    51:21987
OREF 51:4446i,4447a-d
    4,4'-Diaminostilbenes
TI
    Gold, Heinrich; Petersen, Siegfried
IN
PA
    Farbenfabriken Bayer A.-G.
DT
    Patent
LΑ
    Unavailable
FAN.CNT 1
    PATENT NO.
                        KIND
                              DATE
                                          APPLICATION NO.
                                                                 DATE
PΙ
    US 2764583
                               19560925
IT
    2-sulfophenyl)carbamoyl]anilino}-6-methylamino-s-triazin-2-yl}amino}-4'-
    [(4-anilino-6-methylamino-s-triazin-2-yl)amino]-, trisodium salt
    108039-36-7, 2,2'-Stilbenedisulfonic acid, 4-[(4-anilino-6-
    ethylamino-s-triazin-2-yl)amino]-4'-{{4-{p-[(4-anilino-2-
    sulfophenyl)carbamoyl]anilino}-6-ethylamino-s-triazin-2-yl}amino}-,
    trisodium salt 108625-64-5, 2,2'-Stilbenedisulfonic acid,
    4-{4-amino-6-{p-[(4-amino-2-sulfophenyl)carbamoyl]anilino}-s-triazin-2-
    yl}amino}-4'-[(4-amino-6-anilino-s-triazin-2-yl)amino]-, trisodium salt
    108627-31-2, 2,2'-Stilbenedisulfonic acid, 4-[(4-anilino-6-
    methylamino-s-triazin-2-yl) amino]-4'-{4-{p-[(4-anilino-2-yl)]}}
    sulfophenyl)carbamoyl]anilino}-6-methylamino-s-triazin-2-yl}amino}-,
    trisodium salt 109129-42-2, 2,2'-Stilbenedisulfonic acid,
    4-{{4-{p-[(4-acetamido-2-sulfophenyl)carbamoyl]anilino}-6-ethylamino-s-
    triazin-2-yl}amino}-4'-[(4-anilino-6-ethylamino-s-triazin-2-yl)amino]-,
    trisodium salt
        (preparation of)
RN
    108017-34-1 CAPLUS
    2,2'-Stilbenedisulfonic acid, 4-[[4-[p-[(4-acetamido-2-
CN
    sulfophenyl)carbamoyl]anilino]-6-methylamino-s-triazin-2-yl]amino]-4'-[(4-
    anilino-6-methylamino-s-triazin-2-yl)amino]-, trisodium salt (6CI) (CA
    INDEX NAME)
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●3 Na

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RN 108039-36-7 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4-[[4-anilino-6-ethylamino-s-triazin-2-yl]amino]-4'-[[4-[p-[(4-anilino-2-sulfophenyl).carbamoyl]anilino]-6-ethylamino-s-triazin-2-yl]amino]-, trisodium salt (6CI) (CA INDEX NAME)

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●3 Na

PAGE 1-B

RN 108625-64-5 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4-[[4-amino-6-[p-[(4-amino-2-sulfophenyl)carbamoyl]anilino]-s-triazin-2-yl]amino]-4'-[(4-amino-6-anilino-s-triazin-2-yl)amino]-, trisodium salt (6CI) (CA INDEX NAME)

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●3 Na

PAGE 1-B

RN 108627-31-2 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4-[(4-anilino-6-methylamino-s-triazin-2-yl)amino]-4'-[[4-[p-[(4-anilino-2-sulfophenyl)carbamoyl]anilino]-6-methylamino-s-triazin-2-yl]amino]-, trisodium salt (6CI) (CA INDEX NAME)

PAGE 1-A

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RN 109129-42-2 CAPLUS

NHEt

CN 2,2'-Stilbenedisulfonic acid, 4-[[4-[p-[(4-acetamido-2-sulfophenyl)carbamoyl]anilino]-6-ethylamino-s-triazin-2-yl]amino]-4'-[(4-anilino-6-ethylamino-s-triazin-2-yl)amino]-, trisodium salt (6CI) (CA INDEX NAME)

NHEt

●3 Na

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L4 ANSWER 889 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1957:21928 CAPLUS

DN 51:21928

OREF 51:4433f-h

TI Bis(triazinylamino)stilbene compounds

IN Hausermann, Heinrich

PA J. R. Geigy A.-G.

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	US 2762801		19560911	US	

PI US 2762801 19560911 US IT 13863-31-5, 2,2'-Stilbenedisulfonic acid, 4,4'-bis{{4-anilino-6[(2-hydroxyethyl)methylamino]-s-triazin-2-yl}amino}-, disodium salt
108847-62-7, 2,2'-Stilbenedisulfonic acid, 4,4'-bis{{4-p-anisidino-6-[ethyl(2-hydroxyethyl)amino]-s-triazin-2-yl}amino}-, disodium salt
 (preparation of)

RN 13863-31-5 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)methylamino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

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●2 Na

PAGE 1-B

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RN 108847-62-7 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-p-anisidino-6-[ethyl(2-hydroxyethyl)amino]-s-triazin-2-yl]amino]-, disodium salt (6CI) (CA INDEX NAME)

●2 Na

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L4 ANSWER 890 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1957:10971 CAPLUS

DN 51:10971

OREF 51:2300a-d

TI Optical brightening agents of the stilbene series

IN Fleck, Fritz

PA Sandoz Ltd.

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	US 2766239		19501009	US	
	DE 1055001			DE	
	00004 05 4 0 01				_

RN 32694-95-4 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxypropyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

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RN 131731-35-6 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-o-anisidino-6-[(2-hydroxypropyl)amino]-s-triazin-2-yl]amino]-, disodium salt (6CI) (CA INDEX NAME)

DATE

L4 ANSWER 891 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1955:3084 CAPLUS

49:3084 DN

OREF 49:629c-g

Derivatives of 4,4'-diamino-2,2'-stilbenedisulfonic acid

DT Patent

LΑ Unavailable

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. PΙ GB 705406 19540310 ΙT 24565-13-7, 2,2'-Stilbenedisulfonic acid, 4,4'-bis(4-anilino-6ethylamino-s-triazin-2-ylamino)-, disodium salt 31900-04-6, 2,2'-Stilbenedisulfonic acid, 4,4'-bis(4-anilino-6-methylamino-s-triazin-2-

(preparation of)

ylamino)-, disodium salt

RN 24565-13-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(ethylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) NAME)

●2 Na

RN 31900-04-6 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(methylamino)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

L4 ANSWER 892 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1954:30932 CAPLUS

DN 48:30932

OREF 48:5532h-i

TI Fluorescent agents

IN Williams, Wm. W.; Wallace, Wm. E.; Freyermuth, Harlan B.

PA General Aniline & Film Corp.

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE			
PI IT	US 2666052	 benedic	19540112	US				
11	346-79-2, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[4-[bis(2-hydroxyethyl)-amino]-6-(α,α,α-trifluoro-m-toluidino)-s-triazin-2-ylamino]-, disodium salt							
	(fluorescent)							

RN 346-79-2 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-[[3-(trifluoromethyl)phenyl]amino]-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

L4 ANSWER 893 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1954:30808 CAPLUS

DN 48:30808

OREF 48:5515a-d

TI Textile whitening agents

IN Adams, Dennis A. W.; Wilson, Robert H.

PA Imperial Chemical Industries Ltd.

DT Patent

LA Ünavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	US 2667458		19540126	US	
ΙT				acid, 4,4'-bis[4-anilin	0-6-(2-
	hydroxyethylamino) -	s-triaz	in-2-ylami	no]-, disodium salt	•
	(preparation of)				
RN	17958-73-5 CAPLUS				

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, disodium salt (9CI) (CA INDEX NAME)

●2 Na

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L4 ANSWER 894 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1953:69580 CAPLUS

DN 47:69580

OREF 47:11748f-g

TI Derivatives of 4,4'-diamino-2,2'-stilbenedisulfonic acid

PA CIBALtd.

DT Patent

LA Unavailable

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI CH 283982 19521117 CH

IT 873400-65-8, 2,2'-Stilbenedisulfonic acid, 4,4'-bis(4-o-anisidino-6-ethylamino-s-triazin-2-ylamino)(preparation of)

RN 873400-65-8 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis(4-o-anisidino-6-ethylamino-s-triazin-2-ylamino)- (5CI) (CA INDEX NAME)

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L4 ANSWER 895 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1953:69577 CAPLUS

DN 47:69577

OREF 47:11748f

TI Derivatives of 4,4'-diamino-2,2'-stilbenedisulfonic acid

PA CIBALtd.

DT Patent

LA Unavailable

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI CH 283979 19521117 CH

1T 857755-38-5, 2,2'-Stilbenedisulfonic acid, 4,4'-bis(4-ethylamino-6o-toluidino-s-triazin-2-ylamino)- 873400-65-8,
2,2'-Stilbenedisulfonic acid, 4,4'-bis(4-o-anisidino-6-ethylamino-striazin-2-ylamino)-

(preparation of)

RN 857755-38-5 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis(4-ethylamino-6-o-toluidino-s-triazin-2-ylamino)- (5CI) (CA INDEX NAME)

PAGE 1-B

RN 873400-65-8 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis(4-o-anisidino-6-ethylamino-s-triazin-2-ylamino)- (5CI) (CA INDEX NAME)

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L4 ANSWER 896 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1953:69576 CAPLUS

DN 47:69576

OREF 47:11748e-f

TI Derivatives of 4,4'-diamino-2,2'-stilbenedisulfonic acid

PA CIBALtd.

DT Patent

LA Unavailable

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI CH 283978 19521117 CH

RN 873400-65-8 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis(4-o-anisidino-6-ethylamino-s-triazin-2-ylamino)- (5CI) (CA INDEX NAME)

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DATE

L4 ANSWER 897 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

KIND

DATE

AN 1953:39337 CAPLUS

DN 47:39337

OREF 47:6667e-h

TI Triazine substances for textile treatment

IN Wilson, Robert H.

PATENT NO.

PA Imperial Chemical Industries Ltd.

DT Patent

LA Unavailable

FAN.CNT 1

PI	US 2612501		19520930	US 1948-53600	19481008				
${ t IT}$	24231-46-7, 2,2'-St	ilbenec	disulfonic	acid, 4,4'-bis(4-aniling	o-6-				
	morpholino-s-triazin-2-ylamino)- 802613-17-8,								
	2,2'-Stilbenedisulf	fonic ac	id, 4,4'-b	is(4-anilino-6-dimethyla	amino-s-triazin-				
	2-ylamino) - 858240-	-09-2, 2	2,2'-Stilbe	nedisulfonic acid,					
	4,4'-bis(4-dimethylamino-6-m-toluidino-s-triazin-2-ylamino)-								
	(preparation of)			•					

APPLICATION NO.

RN 24231-46-7 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-(4-morpholinyl)-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 802613-17-8 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-anilino-6-(dimethylamino)-s-triazin-2-yl]amino]- (8CI) (CA INDEX NAME)

RN 858240-09-2 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis(4-dimethylamino-6-m-toluidino-striazin-2-ylamino)- (5CI) (CA INDEX NAME)

PAGE 1-B

L4ANSWER 898 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN1952:53276 CAPLUS

46:53276 DN

OREF 46:8867b-d

ΤI Optical brightening agent

IN Wallace, Wm. E.

PA General Aniline & Film Corp.

(9CI) (CA INDEX NAME)

DT Patent

LA FAN.	Unavailable CNT 1					
	PATENT NO.	KIND	DATE	APPLICATION	NO.	DATE
		-				
PI	US 2595030		19520429	US		
IT	683198-91-6, 2,2'-S	tilbene	disulfonic a	cid, 4,4'-bi	s[4-p-anisio	dino-
	6-[bis(2-hydroxyeth					
	(preparation of)	-		-		
RN	683198-91-6 CAPLUS					
CN	Benzenesulfonic acid	d, 2,2'	-(1,2-ethene	diyl)bis[5-[[4-[bis(2-	
	hydroxyethyl)amino]	-6-[(4-	methoxypheny	1)amino]-1,3	,5-triazin-2	2-yl]amino]-

PAGE 1-B

L4 ANSWER 899 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1950:28776 CAPLUS

DN 44:28776

OREF 44:5606b-e

TI Whitening textile materials

IN Adams, Dennis A. W.; Wilson, Robert H.

PA Imperial Chemical Industries Ltd.

OMe

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION	NO.	DATE
PΙ	GB 624051		19490526	GB		
IT	31449-69-1, 2,2'-St	ilbened	isulfonic ac	id, 4,4'-bis	[4-anilino-6	5-(2-
	hydroxyethylamino) -	s-triaz	in-2-ylamino] - 858239-59-	-5,	
						_

1T 31449-69-1, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[4-anilino-6-(2-hydroxyethylamino)-s-triazin-2-ylamino]- 858239-59-5, 2,2'-Stilbenedisulfonic acid, 4,4'-bis[4-(2-hydroxyethylamino)-6-m-toluidino-s-triazin-2-ylamino]- (preparation of)

RN 31449-69-1 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-B

__ NH- CH2- CH2- OH

RN 858239-59-5 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis[4-(2-hydroxyethylamino)-6-m-toluidino-s-triazin-2-ylamino]- (5CI) (CA INDEX NAME)

PAGE 1-B

L4 ANSWER 900 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1949:42830 CAPLUS

DN 43:42830

OREF 43:7726i

TI Textile assistant

PA J. R. Geigy A.-G.

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CH 239480		19460201	СН	•

IT 872827-34-4, 2,2'-Stilbenedisulfonic acid, 4,4'-bis(4-amino-6-m-carboxyanilino-s-triazin-2-ylamino)(preparation of)

RN 872827-34-4 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis(4-amino-6-m-carboxyanilino-s-triazin-2-ylamino)- (5CI) (CA INDEX NAME)

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L4 ANSWER 901 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1949:42829 CAPLUS

DN 43:42829

OREF 43:7726h-i

TI Textile assistant

PA J. R. Geigy A.-G.

DT Patent

LA Unavailable

FAN.CNT 1

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis(4-amino-6-m-carboxyanilino-s-triazin-2-ylamino)- (5CI) (CA INDEX NAME)

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PAGE 1-B

L4 ANSWER 902 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1949:40317 CAPLUS

DN 43:40317

OREF 43:7242g-h

TI Triazine condensation products

IN Keller, Ernst; Zweidler, Reinhard

PA J. R. Geigy A.-G.

DT Patent

LA Unavailable

FAN.CNT 1

RN

IT 872827-34-4, 2,2'-Stilbenedisulfonic acid, 4,4'-bis(4-amino-6-m-carboxyanilino-s-triazin-2-ylamino)-

(preparation of) 872827-34-4 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis(4-amino-6-m-carboxyanilino-s-triazin-2-ylamino)- (5CI) (CA INDEX NAME)

PAGE 1-B

L4 ANSWER 903 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1949:26430 CAPLUS

DN 43:26430

OREF 43:4880d-f

TI Textile aid

PA J. R. Geigy A.-G.

DT Patent

LA Unavailable

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI CH 237394

19450830 CH

IT 21162-88-9, 2,2'-Stilbenedisulfonic acid, 4,4'-bis(4-amino-6-anilino-s-triazin-2-ylamino)-872827-34-4, 2,2'-Stilbenedisulfonic acid, 4,4'-bis(4-amino-6-m-carboxyanilino-s-triazin-2-ylamino)-

(condensation products with aldehydes)

RN 21162-88-9 CAPLUS

CN Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-amino-6-(phenylamino)-1,3,5-triazin-2-yl]amino]- (9CI) (CA INDEX NAME)

RN 872827-34-4 CAPLUS

CN 2,2'-Stilbenedisulfonic acid, 4,4'-bis(4-amino-6-m-carboxyanilino-s-triazin-2-ylamino)- (5CI) (CA INDEX NAME)

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L4 ANSWER 904 OF 904 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1948:13794 CAPLUS

DN 42:13794

OREF 42:2995f-g,2996a-c

TI Condensation of complex stilbene derivatives

PA J. R. Geigy A.-G.

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	GB 595065		19471126	GB 1944-12196	19440627
ΙT	872827-34-4, 2,2'-Stilbenedisulfonic acid, 4,4'-bis(4-amino-6-m-				
	carboxyanilino-s-triazin-2-ylamino)-				
	(preparation of)				
RN	872827-34-4 CAPI	LUS			
CN	2,2'-Stilbenedisu	ulfonic a	cid, 4.4'-b:	s(4-amino-6-m-carboxy	vanilino-s-

V 2,2'-Stilbenedisulfonic acid, 4,4'-bis(4-amino-6-m-carboxyanilino-s-triazin-2-ylamino)- (5CI) (CA INDEX NAME)